

Jan Tschichold

AN ILLUSTRATED HISTORY
OF WRITING AND LETTERING

LONDON • A. ZWEMMER

MCMXLVI

WITH SEVENTY PAGES OF ILLUSTRATIONS

Title of the original edition in the German language:

Geschichte der Schrift in Bildern

First Printing, November 1940

Second Printing, November 1945

First English edition 1946

English version by Eudo C. Mason

Copyright 1940 by Holbein Publishing Company Limited, Basle

Printed in Switzerland

INTRODUCTORY NOTE

The immense flood of printed matter which characterizes the present day has not only diminished our reverence for *language*. It is also beginning to destroy our living sense for the visible representation of language, for *writing and lettering*. There are few people who are still sensitive to positive and negative values in lettering, probably because it is under our eyes whichever way we turn, and everybody has to make use of it, even if it be only on the typewriter.

Although many fruitful attempts have been made since the turn of the century to counteract the disgracefully low cultural level of penmanship and book-production, there has on the whole been scarcely any material change of quality in the employment of printed and written characters. A pessimistic observer might indeed speak of a decline. Excessive speed in writing, both in composition and in manual transcription, and the consequent neglect of intellectual contents, linguistic clarity and graceful outward form, are the real reasons why handwriting has become a Cinderella for everyone. The great manifestations of a living art of type and letter-design produced during the last four decades are the work of but a small number of men, who have by untiring self-discipline won for themselves a higher level than that of the man in the street. The latter scarcely suspects that the writing of a beautiful page, the designing of a perfectly set-up and printed book, presuppose more than an everyday standard of education, and that looking upon these things with conscious appreciation can arouse in one a receptive joy of a high order. The capacity to experience this can only be acquired by the attentive study of beautiful writing forms, just as genuine understanding of works of the representational arts is seldom spontaneous, but usually the result of self-training.

Certainly the active learning of writing forms through calligraphic exercises, however simple, is the surest way to true understanding of lettering. But even those who are incapable of writing in this way ought to acquire a certain sense for the formal qualities of applied lettering. Comparisons such as anybody can make between superior and inferior specimens, the reading of books on the history of penmanship, visits to collections devoted to the craft of book-production and to monumental inscriptions, and, if possible, an introduction into the morphology of formal script are the appropriate means to this end.

It is the object of this book to draw attention to the great documents of the penman's craft in the cultures of the past, and thus to make a preparatory contribution towards the raising of our formal standards in the treatment of written characters. As a complete history of writing in illustrations would fill many volumes, we can only present a brief survey of the more circumscribed history of our own writing,

-) which will afford scope for comparisons and for the classification of additional material, and the repeated contemplation of which will help to develop a sense for the æsthetic qualities of good writing. The occasional specimens of writing from exotic cultures are intended to show how elsewhere also the appropriate use of simple tools, coupled with technical and optical necessities, has led to the evolution of significant and beautiful forms.

By 'writing' in general we mean deliberately fixed signs, which imply a meaning and can be 'read'. All genuine writing is a convention and therefore intelligible only to the initiated. It is never the result of arbitrary inventions, but always the laborious achievement of many generations, often of many peoples, at last crystallized to a mutually accepted code. Even our shorthand can only be read by those who have learnt it. Any private infringement of the rules makes it a puzzle for everybody else, or at least more difficult to read.

Four stages can be distinguished in the histories of most writings. On the *preliminary stages* of writing (mnemonic or memory signs) follow the *pictorial signs* (pictographs), the *signs for ideas* (ideograms) and finally the *signs for sounds*, or letters (phonograms). As writing in phonograms is only adapted to some, but by no means to all languages, many cultures, even important ones, such as the Chinese, have remained in the stage of ideographic writing.

Aids to memory of all kinds, the knot in the handkerchief, the marking of ways by blazing trees or painting them with strips of colour, magical signs and badges, belong just as much to the *preliminary stages* of writing as the herald's staff with which messengers established their identity among the ancients. Only when such tokens formulate definite combinations of thoughts do the true beginnings of writing arise. Thus there was a writing by knots known to the ancient inhabitants of Peru, which is supposed, by the medium of cords tied together, not only to have conveyed details about their armies and supplies of gold and corn, but also to have served for the recording of laws. A similar writing by knots is still employed by the inhabitants of the Liukiu Islands.

More developed early forms of writing are *paintings and drawings*. When Neolithic man painted single animals and groups of animals on the walls of his caves, he probably wished thereby to give expression to his joy at a successful catch (ill. 1). Other cave-paintings, of Palæolithic date, depicting hunting scenes, already describe particular events. But they are still ambiguous, because the signs—naturalistic representations—lack the force of a binding convention. On the northern slopes of the Pyrenees pebbles from the later Stone Age have been found with signs painted on them, some of which display an astonishing resemblance to letters, even to our alphabet (ill. 2). It is however improbable that mankind should at this

time already have been capable of analysing the words of their language into their component sounds and representing these with phonograms. It is more likely that they are magical charms, badges or, in the case of some of the pebbles, devices for the recording of certain quantities.

A pictorial chronicle, such as the Red Indian buffalo hide here reproduced (ill. 3), on which there are indications of the number of the enemy killed and other enumerations, does not, as a pictographic writing, go far beyond the cave-paintings of the Stone Age. Only when the pictorial signs employed become constant recurring symbols, that is to say *ideograms*, as in the Codices of the Mayas (ill. 4), can we speak of true writing. These ideograms, highly simplified images of natural objects, in the first place reproduce the meaning of the words. There also occur, however, rebus-like signs for syllables (anticipatory forms of the stricter phonograms). The majority of the signs are combinations with ambiguous determinatives, the deciphering of which has only succeeded in a few cases. Some of the numerical signs—strokes and dots—are shown in our illustration. In addition to these all the signs are known which are connected with dates and the calendar, the signs for certain abstract ideas, a few verbs and signs for animals and gods.

Every kind of developed ideographic writing depends on combinations of simple basic ideas with modifying conceptual or phonetic signs (determinatives). Gradually the pictures are abbreviated, petrifying to formulæ, the original significance of which slowly becomes lost. In the older Cuneiform writing (ill. 5) there are still recognizable pictures, but less immediately so than in the ideograms of the Mayas. Their emphatically angular form is due to the signs having been impressed with a sharpened stick in wet clay, which was afterwards exposed to the burning sun. The ancient inhabitants of Mesopotamia, with their marked feeling for geometry and architecture, loved the contrast between perpendicular and horizontal movements, and in addition to these made use only of the diagonal bisecting the right-angle. As the hand must adopt an uncomfortable position in impressing the frequent perpendiculars, the Cuneiform writing was before long turned round by an angle of 90 degrees. The later form, to which the writing owes its name, displays the pictures only when it has been turned back through these 90 degrees (ill. 6). That here each stroke is deeper on the left, shallower on the right, is due to the rapid, so to speak cursive use of the writing instrument.

Like the Maya writing the Hieroglyphics of the ancient Egyptians developed out of painted pictures of great verisimilitude (ill. 7). They are a mixture of word-signs, consonantal phonograms and modificatory signs, not dissimilar from the 'rebus' of our own times. Detailed drawings evolved gradually into simple, abstract tokens, which in the end could be written fairly nimbly with a reed pen of the broad-nib type (ill. 8). We owe the deciphering of this enigmatic writing to the

discovery of the trilingual Rashîd Stone (ill. 9), the lowermost third of which is written in Greek. The central third of this basalt slab displays demotic writing, the late form of Egyptian writing, in which the pictures underlying the signs have been reduced to quite abstract symbols in consequence of very quick writing.

The extraordinarily beautiful picture-writing of the Discus of Phaestus (ill. 10) is of the Minoan period of Crete; it is independent of Egyptian Hieroglyphics and was impressed in clay with wooden stamps and, curiously enough, arranged spirally. It had no influence on the tradition from which our writing was evolved.

The origins of European *phonetic writing*, i.e. of the alphabet, are obscure. Our letters are beyond doubt abbreviations of pictographic prototypes and they were chosen on the principle of employing for the representation of each sound the pictograph of a notion beginning with that sound (*acrophonic principle*). Isolated signs for sounds and symbols were already to be met with in Cuneiform and Hieroglyphic writing. Whether the ancient Phœnicians, who traded with many nations, were the first to analyse words consistently into their component sounds and represent these with phonograms (ill. 11) is not certain. But it is generally assumed that Greek writing, the mother of the Latin alphabet, was derived from the writing of the Phœnicians.

Our illustrations at this point turn aside from the European development for a while and show some important exotic writings, in the first place Chinese (ill. 12, 13), a still living ideographic writing of great beauty, and the most highly developed pictorial writing of all ages. Japanese writing (ill. 14, 15), a syllabic writing, was developed out of certain Chinese word-signs. Arabic writing, which has spread over many lands (ill. 16, 17), is phonetic, like our own, and of Aramaic origin; it is written with a pen, and, in common with most oriental languages, from right to left, and in consequence of Mohammed's prohibition of representational art it underwent valuable artistic developments.

According to some scholars Greek writing developed not out of Phœnician, but out of an Early Cretan syllabic writing, which was related to that of Cyprus (ill. 18). Uniquely new about Early Greek writing (ill. 19) were the evolution of phonetic signs for the vowels, the clear linear arrangement and the direction of the writing from left to right. All earlier writings ran from right to left, the oldest Greek inscriptions alternating from left to right in the one line and the reverse in the following one (*bustrophedon*). All the signs were subordinated to a uniform order, characterised by equal height and the predominance of perpendicular strokes. The formal differences between the phonetic signs are of brilliant simplicity. Its clearness is due to the contrast between straight lines, triangular and circular forms, which is more striking to the eye than any other contrast of forms. This unique artistic heritage of Greece has survived all modifying influences of writing technique and still shines in imperishable radiance in our present-day writing. Some specimens

of early Greek written documents are given in illustrations 20 and 21. The writing known as Cyrillian, which is employed in Russia, Bulgaria and to some extent also in Yugo-Slavia, derives from Greek characters.

The inhabitants of Southern Italy took over Greek writing before it had been completely developed, soon however adding some new characters to the alphabet. The Roman inscriptions of the classical period (ill. 22) are the unsurpassed, perfect and timelessly beautiful archetypes of our writing in the narrower sense. Although they follow the Greek principle of form, they have yet acquired a specifically Roman aspect in certain details. The fact that the letters on Trajan's column display a modulated alternation of more vigorous and softer strokes is due to their having been traced with a broad, spatulate brush, which 'wrote' like a broad-nibbed pen. How the writing instrument, especially in rapid writing, determines the details of the form, is shown by Rustic lettering (ill. 24), produced with a broad nib, and by the older Roman semi-formal hand (ill. 25), written with a finer instrument. In this latter the letters from time to time exhibit ascending and descending strokes which then become crystallized to regular formal elements in Early Christian Uncials. Indeed, semi-formal writing, that is to say the writing employed in documents, letters and note-taking, has down to our times been the source of nearly all evolutions of form. To the semi-formal writing of later Roman days, the Later Roman Cursive (ill. 28), we owe not only the Half Uncials (ill. 29, 30), but also the chief incentive to the development of small letters or Minuscules. Up to then there had been only one alphabet, that which we refer to nowadays as Capitals. The Minuscule or small letter is the outcome of a further development. People wrote more and more quickly; out of the joining on of strokes there arose a rhythmical writing, to which the forms of the letters adapted themselves more and more closely. The employment of the quill-pen had a decisive share particularly in fashioning the forms of the Minuscules in the age of Charlemagne (ill. 35, 36). The Rustics can only be regarded as a reproduction of the basic geometrical Roman forms as far as the pen would allow. But of the Minuscule it may be asserted that it owes its very form to the broad-nibbed pen. This it was that led to the swelling and diminution of the strokes, a feature which governed the form to a greater extent than the motion of the pen as revealed in the strokes themselves. The creation of the Minuscule about the turn of the seventh century constitutes the last great stage in the development of writing. Our present-day Roman print, its broken variants, the so-called Black-Letter and the German *Fraktur*, together with our handwritings are all derived from the Minuscule with its deep insight into the necessities of letter-formation.

For centuries the Carolingian Minuscule remained the dominating book-script of the occident, until it was gradually, by the progressive breaking up of all its

10 single elements, transformed into the Gothic Minusculæ (ill. 38-40). The books and documents of the Middle Ages (ill. 36-46) are manifestations of an art of penmanship scarcely rivalled by the artistically most perfect works of later calligraphers.

Gutenberg's invention entailed the end of this art and also the beginning of a new era for the development of writing. The inventor of movable types cut his letters according to the best models of his day and it was only natural that the earliest printed pages had the appearance of manuscripts (ill. 45).

Meanwhile, however, in Italy the Carolingian Minusculæ had been awakened to new life. The types cut from this model vary little from modern Roman type. More and more the processes of bookprinting and of engraving determined letter forms. That the art of writing declined is above all the fault of those seductive engraved copy-books, which abetted the mistaken ideal of writing 'copperplate' (ill. 55, 56, 61). In Gutenberg's days it was still the highest aim to print 'like writing'. Now people had fallen so low that they wanted to write 'like engraving'. The eighteenth century fondness for the engraving led at last also to the deterioration of printing types. Anything that might still recall the written prototype was sacrificed to a chilly, rationalistic, exaggeratedly simplified form (ill. 59), the sterility of which can perhaps only be fully recognized at the present day.

The extremely low level of penmanship and book-production called certain men into the field towards the end of the last century, amongst them William Morris (ill. 65) and Edward Johnston, who set up the ideals of craftsmanship anew and started a fresh development. Many others have since followed them.

There is now no longer any lack of good printing types, but there is of intelligent people to utilise them. The valuable founts of our day, however, reflect only the skill of a few masters of the craft, not the general level of writing and lettering. This reveals itself most distressingly in the abominable informal writing of the present day and in the generally wretched lettering of shop signs, street-names, and tram-car notices—by no means unimportant problems, to which all too little attention has been paid in recent years.

A selection of better forms for the innumerable applications of lettering, guided only by 'good taste', will hardly be of much permanent use, however valuable it may appear at first sight. Draughtsmen and painters must learn to use sound tools in the right way. Every kind of beautiful writing is the outcome of a simple technique in which the means are suited to the end. To-day lettering is even 'drawn' or 'constructed', because people cannot write it; the sign-writer himself 'draws' the outline of his letters with a pointed brush, then filling it out with a thicker one, because he neither possesses form-creating tools, that is to say properly cut brushes, nor would know how to use them, if he had them.

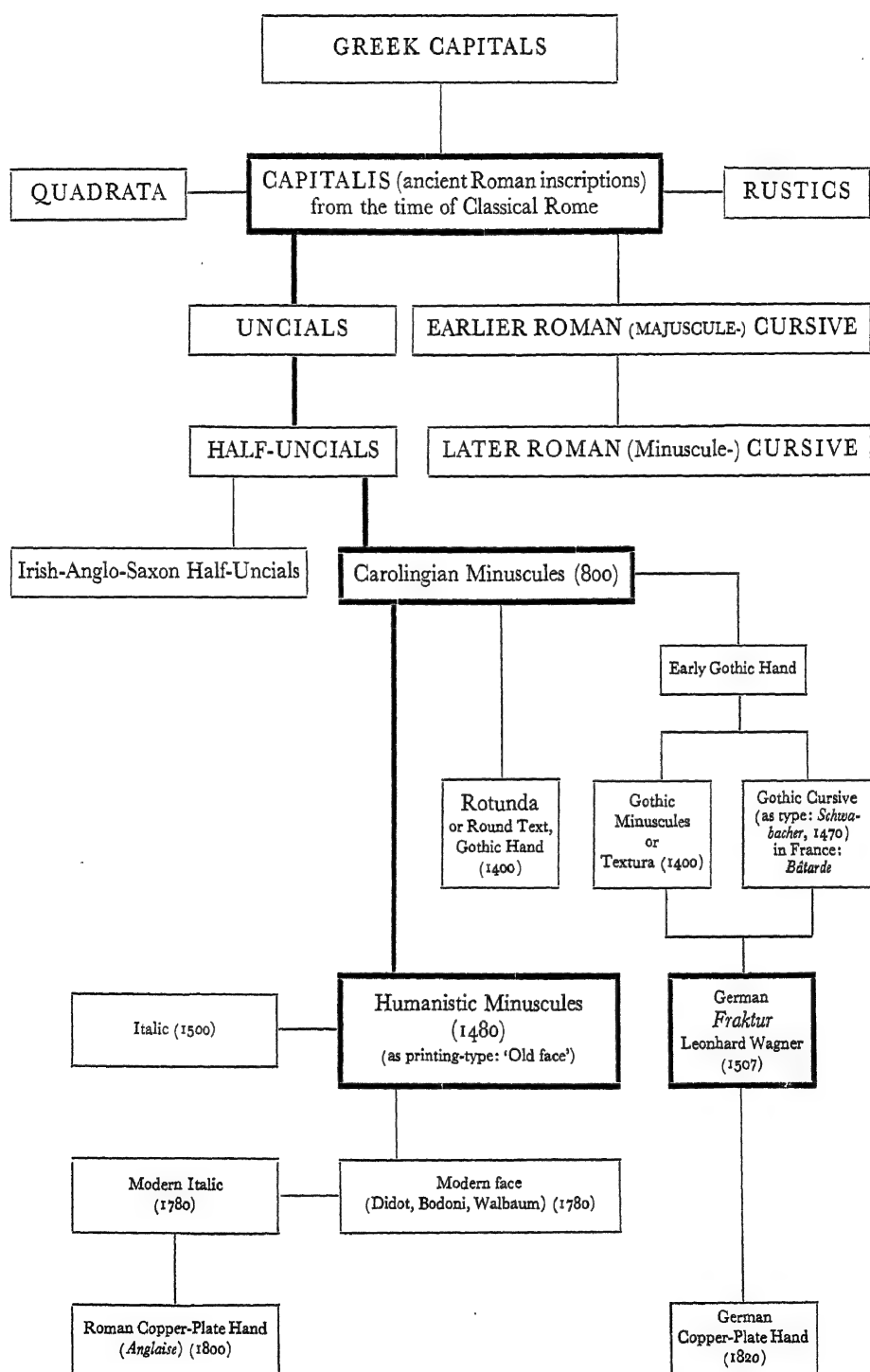
A genuine culture in writing would extend its influence even to its humbler

applications. It cannot be hoped for merely from a revival of the teaching of 11
writing in elementary schools, such as is being attempted in some countries. Until
everybody approaches this highly differentiated and yet common medium of com-
munication with attention, respect and love, all efforts towards beautiful writing
will remain the concern of a minority. May this book at least win for that minority
a few new adherents.

To make the development since the time of the ancient Romans clearer, we append here a diagrammatic pedigree of the European writings. It shows how the actual evolution proceeds by gradual stages from Roman Majuscule to Minuscule, while *Fraktur* should be regarded as subordinate to and not on an equal footing with Roman type, since it is only a collateral development from this very Minuscule. It would, however, be erroneous to base any æsthetic judgment on this genetic relationship.

Since neither good Roman nor good *Fraktur* types strike us as outmoded, since both are still in use and show no signs of decreasing serviceableness, there is little occasion for us to be perplexed about future developments. All that is possible, and for some reasons necessary, is variation within discreet limits.

PEDIGREE OF THE EUROPEAN STYLES OF WRITING



THE UNIVERSITY OF CHICAGO PRESS
50 EAST LAKE STREET
CHICAGO, ILLINOIS 60607
TEL: 773-707-5000
FAX: 773-707-5001
WWW.CHICAGO.PRESS.EDU

LIST OF THE REPRODUCTIONS

1. A bison at rest with its head turned. Coloured painting, about life-size, on the roof of the cave of Altamira (Northern Spain). Later Palæolithic period (about 20000 years before our era). From Breuil and Obermaier, *The Cave of Altamira*, Madrid 1935.

2. Ochre-painted pebbles from the cave of Mas d'Azil (France, foothills of the Pyrenees). Beginning of the Neolithic Age. From Piette, *Les Galets Coloriés du Mas d'Azil*, Paris 1896.

3. Bison hide of the Crow Indians with pictorial writing (Pictography). Beginning of the 19th century (before 1838). The star-shaped figure in the centre represents a shield decorated at the edge with eagles' feathers, which in its turn displays a camp of tents arranged in a ring. On the rest of the surface are scenes of Indians fighting among themselves and with Europeans. Above on the right are depicted the severed heads of slain enemies, together with a list of horses and unmounted warriors, indicated by means of footprints. From the two rectangular strips of red cloth some scalps are still suspended. The colours employed are brownish black, red and green. Size about 200 × 180 cms. Berne, *Ethnographische Abteilung des Historischen Museums*.

4. Page from the Maya Manuscript of Madrid (Codex Cortesianus). A folded book of the Mayas of Northern Yucatan, between 1200 and 1400 A.D. On paper made of agave fibre, painted with black, brown, also red and blue colour. Madrid, Biblioteca del Palacio. (These particulars and material for the relevant passages in the text I owe to the kindness of Dr. Hans Dietschy, of Basle.)

5. Sumero-Accadic baked tile with early form of Cuneiform writing. The inscription is by a king of the south Mesopotamian city of Lagash, named Eannatum. About 2700 B.C., but according to Jensen (*Die Schrift*, Glückstadt [1935]) about 3200 B.C. 17 × 21 cms. Berlin, *Vorderasiatische Abteilung der Staatlichen Museen*, VA 2599.

6. Babylonian Cuneiform writing. Clay tile of Nebuchadnezzar II, king of Babylon from 605 to 561 B.C. It is inscribed with his name and titles. London, British Museum.

7. Panel portraying an Egyptian official (with sceptre, staff and writing equipment), from his tomb. About 2950 B.C. One of the hieroglyphs above the picture shows the writing equipment (a tube to hold the reed pens and ink-vessels); it stands here for the idea 'scribe'. Cairo, Museum.

8. Papyrus from the 'Lamentations of the Peasant'. About 2000-1800 B.C. Berlin Museums, P. 10 499. Slightly reduced. From Adolf Hermann, *Literarische Texte des Mittleren Reiches*, Leipzig 1908. Volume I, plate 5.

9. The so-called Rashid (Rosetta) Stone, a slab of basalt, dug up at Rashid (at the mouth of the Nile) in 1799, and inscribed with hieroglyphics, Demotic and Greek writing. The trilingual text, a tablet in honour of Ptolemy V Epiphanes of the years 197-196 B.C., afforded to the occident our first knowledge of hieroglyphics and at the same time the key for their decipherment by the French scholar J. F. Champollion. Dimensions 122 × 80 cms. London, British Museum.

10. The so-called Discus of Phæstus. One of the two sides. Minoan pictorial writing. About 1600 B.C. Middle-Minoan period. Heraklion, Museum. Diameter of the original about 20 cms.

11. Stele of the Moabite king Mesa. Erected about 850 B.C. at Dibon (Dibân), to the east of the Dead Sea. Paris, Louvre.

12. Rubbing of an ancient Chinese inscription of the Wei Epoch (386-581 A.D.) with three styles of writing. From Yang Yu-Hsun, *La Calligraphie chinoise depuis les Han*, Paris 1937.

13. Calligraphy of the Emperor Ning Tsung (Southern Sung Dynasty) (1195-1224 A.D.), Indian ink on silk. Height 25 cms. Museum of Fine Arts, Boston.

14. Japanese woodcut in grey and black with written characters and two red seals. 19th century. Dimensions of sheet 32 × 44.5 cms. Basle, Gewerbemuseum.

15. Part of a Japanese scroll. Written with the brush in Indian ink on paper. Background painting (blossoms) in gold. 18th to 19th century. Height 25 cms. Basle, Gewerbemuseum.

16. Sheet from a Cufic Koran on parchment. Egypt, 8th century A.D. Ornamentation in red and green. 28×30 cms. Gotha, Herzogliche Bibliothek. From Sarre, *Die Ausstellung von Meisterwerken mohammedanischer Kunst* in München, 1910.

17. Taliq (Persian calligraphy). Page from a 16th century manuscript. Brownish background with figures painted in gold. The writing field is old rose, the lettering being black with gold ornaments in between. The framing of the writing-field is polychrome. Dimensions of entire page 23.3×35.4 cms. Basle, Gewerbe-museum.

18. Inscription from Cyprus in limestone, formerly inlaid with bronze, in Cyprian writing. Breadth about 45 cms. London, British Museum.

19. Marble stele from Athens, 5th century B.C. From Otto Kern, *Inscriptiones graecae*, Bonn 1913.

20. Greek book hand of the more severe kind. Papyrus. End of the 2nd century A.D. From the poems of Bacchylides. London, British Museum. (Reproduced from 'Zeitstil und Gattungsstil in der griechischen Schrift' by Prof. Dr. W. Schubart, Berlin. In: *Die zeitgemäße Schrift*, Nr. 45, Berlin-Leipzig 1938.)

21. Tablet from a Greek wax tablet book of school exercises. 4th to 5th century A.D. Berlin Museums, P. 14000, plate 4. The inscription runs 'Ἀρχὴ μελίστη τοῦ βίου τὰ γράμματα' ('The true beginning of life is writing').

22. Part of the inscription of Trajan's Column in Rome. About 114 A.D. The section of the writing here visible is in reality about 53 cms wide. Photograph: London, Victoria and Albert Museum.

23. Quadrata. Page of a book (section). 4th century B.C. Written over on the right by a much later hand. St. Gall, Stiftsbibliothek, cod. 1394.

24. Rustics. Page of a book. The margins are missing. From a vellum manuscript. 5th century A.D. Paris, Bibliothèque Nationale, ms. lat. 8084. From Mallon-Marichel-Perrat, *L'écriture latine*, Paris 1939.

25. Earlier Roman Cursive. Rome, middle of the 1st century A.D. Height of the original 28.5 cms. Berlin Museums, P. 8507 col. 2. From Mallon-Marichel-Perrat. Transcription of the two top lines:

tenuisse caussam petitóri expediat / (hae) ne [[inter]]

[pro]cedant artes male agentibus si

26. Slanted-pen Uncials. Book page from a vellum manuscript (St. Cyprian, Letters). Perhaps written in Africa. 4th to 5th century A.D. Width of the original 20.5 cms. Rome, Biblioteca Vaticana, ms. lat. 10959. From Mallon-Marichel-Perrat.

27. Uncials written with straight pen. 8th century. Width of the part reproduced 15.8 cms. Paris, Bibliothèque Nationale, ms. lat. 281. From Mallon-Marichel-Perrat.

28. Later Roman Cursive. Rome, middle of the 4th century A.D. Part of a column. Height of the portion reproduced 22 cms. Leipzig, P. 530 col. 3. From Mallon-Marichel-Perrat. Transcription of the three top lines:

impp. diocletianus et maximianus a/et
maximianus nobb. caess./ad synodum
xysticorum et thymeli /

29. Half-Uncials, written with half-slanted pen. From a vellum manuscript (St. Hilarius, De trinitate). Written before 509 A.D. Original length of the bottom line 17 cms. Rome, Biblioteca Vaticana, Basilicanus D. 182. From Mallon-Marichel-Perrat.

30. Part of a page from the Book of Kells. (Matthew XX. 18-21.) Anglo-Saxon Half-Uncials. 8th century. Width of the portion reproduced 21 cms. Dublin, Trinity College.

31. An opening page from the Lindisfarne Gospels. (Matthew I. 1.) Irish. About 700 A.D. In colours on vellum. The translations, added in small writing only in the 10th century, in the margin and writing-field, have been omitted from our reproduction. Actual size of the picture (without margins) about 34×25 cms. London, British Museum, Cotton MS. Nero D. IV. f. 27. Transcription of the four principal lines:

LIBER / GENERATI / ONIS IHU / XPI FILII
DAVID FILII ABRAHAM /

32. Merovingian book hand. St. Cesarius of Arles. 8th century. Brussels, Bibliothèque Royale, ms. 9850. From Steffen, *Lateinische Palaeographie*, Trier 1896.

33. Carolingian Minuscules. (7th line: Uncials.) Gospels of Prüm. Written at Tours. 9th century. Without the vellum margins. Lines 13 cms. long. Berlin, Preuss. Staatsbibliothek, Ms. lat. theol. fol. 733.

34. Page from a copy of the Four Gospels. Without the vellum margins. School of Fulda? Last third of the 10th century. Berlin, Preuss. Staatsbibliothek, ms.lat.theol.fol.359. From 'Schöne Handschriften aus dem Besitz der Preussischen Staatsbibliothek', Berlin 1931.

35. Late Carolingian Minuscules. First and fourth lines: Rustics. Second, third and fourth lines: Lombardic Versals. From the collection of Pericopes of St. Erentrud of Salzburg. Salzburg manner, middle of the 12th century. Linear reduction about a third. Without the full vellum margins. Munich, Bayrische Staatsbibliothek, cod.lat.15903.

36. Part of a column from a Latin Bible. English, beginning of the 13th century. To the left, part of the initial 'I', which extends from top to bottom of the page. Original size.

37. Parchment document, Basle, 1304. Width of the original vellum 27 cms. Basle, Staatsarchiv (114. Geh. Reg. XII. F 2).

38. Page of a vellum manuscript, probably of French origin, with initial 'P' in colours and gold. Dimensions of sheet 31 × 45 cms. Basle, Gewerbemuseum.

39. Front of the tomb of Bishop Tilo of Trotha. Merseburg. Bronze tablet with letters in relief. Late Textura form. 1514. 192.5 × 47.5 cms. From a rubbing.

40. Missal (Gothic Minuscules). Page from an antiphonary. South German, late 15th century. With illuminated initial in gold and colours. Dimensions of page 59 × 41 cms.

41. Rotunda (Round Text, Gothic Hand). Page from a Sacramentary on vellum. With ornamental initial 'I' in colours and gold. Florentine, middle of the 15th century. Dimensions of sheet 26.5 × 36 cms. Basle, Gewerbemuseum.

42. Bâtarde (West European Gothic Cursive). Page from an illuminated manuscript (Honoré Bonnor, *L'arbre des batailles*). Flemish-Burgundian, about 1482. The Lombardic initials are red, the capitals in the text are filled out with yellowish colour. Dimensions of page 36.3 × 25.2 cms.

43. Bâtarde. Latin safe-conduct from John, Duke of Burgundy. Burgundian. 1409. Width of original vellum 31 cms. Basle, Staatsarchiv (St. Urk. 800).

44. Part of a Papal Bull on vellum. 1443. In

the size of the original. Basle, Staatsarchiv (St. Peter Urk. 987a).

45. A page from the 42 line Bible of Johann Gutenberg. Mayence 1455. Dimensions of page 47 × 32 cms. From the facsimile of the Insel-Verlag, Leipzig.

46. Rotunda (Round Text, Gothic Hand). Bookpress of the late 15th century. Page from *Æsopi Fabulae lat.*, add. Seb. Brandt, Basle, Jacob Wolff von Pforzheim, 1501. With two Gothic initials cut in wood and one woodcut illustration. Dimensions of page 19.5 × 26.5 cms.

47. Humanistic Minuscules. Page from an Italian parchment manuscript (Pietro Barozzi, *Carmina*). 1481. Original dimensions of the page reproduced 13.2 × 19.3 cms. From 'Manoscritti dal secolo IX al XVI. Vendita all'asta, 3-4 decembre 1929', Milan, Hoepli.

48. Opening page from Cyprianus, *Opera*, Romae, Sweynheim et Pannartz, 1471. Painted ornamentation in gold and colours. Size of page 22 × 32 cms.

49. Page from Diomedes, *De Arte grammatica*, Venice, Nic. Jenson, 1480. Dimensions of page 18.5 × 26.5 cms.

50. German 'Kanzlei-Kurrent' (Chancery Running Hand). Document on vellum. Basle, 1502. Width of the original 45.5 cms. Basle, Staatsarchiv (St. Urk. 2555).

51. Printed mandate. Zurich, 1529. Considerably reduced. Zurich, Zentralbibliothek.

52. Basle book-title from the press of Valentin Curio. Basle 1526. Dimensions of page 30 × 19.5 cms. Basle, Gewerbemuseum.

53. Title-page of a book by Albrecht Dürer. Nuremberg, 1528. Dimensions of page 20.3 × 30.5 cms.

54. 'Cancellaresca bastarda'. Copybook model for the instruction manual 'Opera nella quale sinsegna a scrivere' by Vespasiano Amphiareo, Venice 1554. In the size of the original. The original is a woodcut.

55. 'Italienne bastarde'. Model for copying, engraved in copper by Louis Barbedor, from his book 'Les Ecritures Financiere et Italienne-Bastarde', Paris 1647. Dimensions of original about 30 × 41 cms.

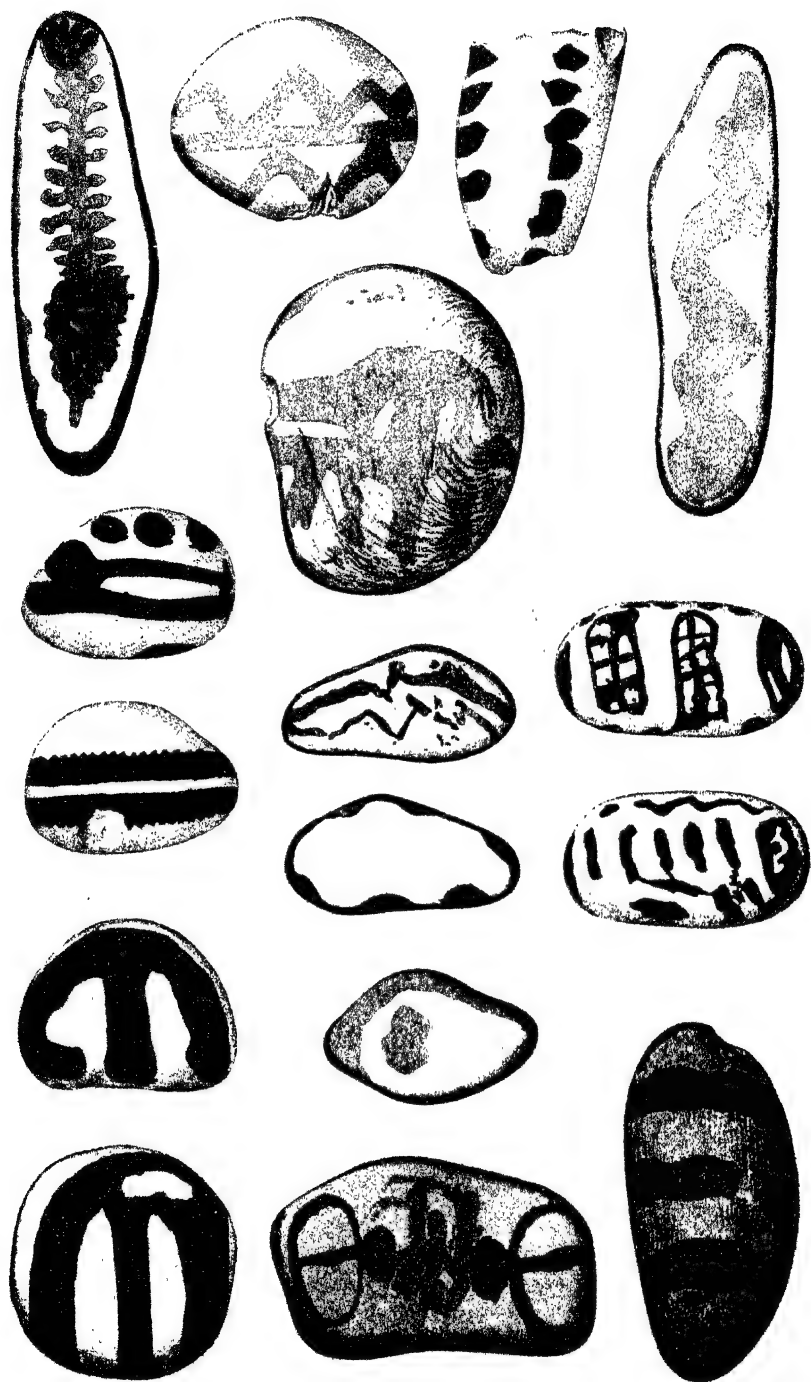
56. Cursive writing from 17th century Dutch copybook engraved in copper. Slightly reduced.

57. Page from a patent of nobility and arms,

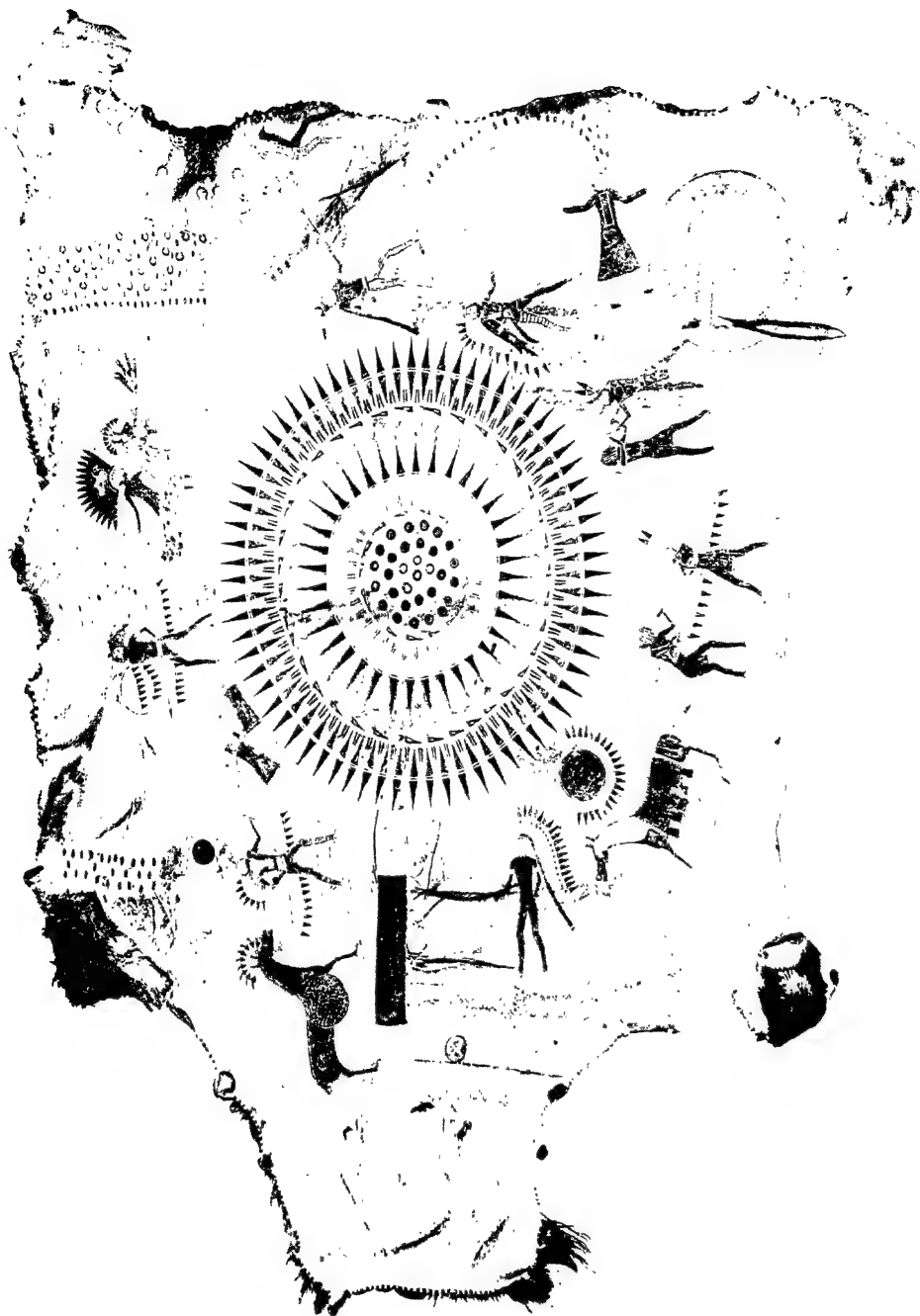
- 18 granted by Emperor Leopold I to Johann Jakob Machmayer. Vienna, 1698. Size of the original. Shortened at the bottom by 13 cms. Vienna, Haus-, Hof- und Staatsarchiv. From 'Beispiele künstlerischer Schrift aus vergangenen Jahrhunderten' edited by Rudolf Larisch, Wien 1926.
58. Script Type of the middle of the 18th century, cut by J. M. Fleischmann (1701-1768) for the Enschedé at Haarlem. From a specimen of 1757. Size of the original.
59. Title-page by Giambattista Bodoni (1740-1813). Parma 1795. Dimensions of page 21.5×15 cms.
60. Decorative writings from the beginning of the 19th century. The first and second alphabets are by P. Didot l'Ainé. Matrices in possession of the type-foundry of Joh. Enschedé en Zonen, Haarlem. From a specimen of the *Průmyslová Tiskárna*, Prague. Size of the original.
61. Form engraved in copper by Thomas Bewick (1753-1828). Beginning of the 19th century. Dimensions of the original 25×9.4 cms. From 'Bewick Gleanings' by Julia Boyd, Newcastle-upon-Tyne 1886.
62. Set-up type from 'Specimen of Printing Types... of John T. White', New York 1843. Size of the original. Property of the author.
63. Above: Alphabet cut after the Roman type of Claude Garamond (about 1540) from the Lettergieterij voorheen N. Tetterode, Amsterdam (about 1930). Below: 'Bauersche Antiqua' (about 1870).
64. Page from a book of the 1880s. (Wilhelm Schneider, *Der neuere Geisterglaube*, Paderborn 1882.) Size of the original. Set up in facsimile.
65. A page from 'The Historye of Reynard the Foxe', set up in Troy Type by William Morris with initial and marginal decorations from his own designs. London, The Kelmscott Press, 1892. Original dimensions of the page reproduced 25.7×15 cms. The lines which appear as grey in the reproduction are red in the original.
66. A page from 'The Holy Bible' of the Doves Press. London 1903-1905. Dimensions of page 33.5×24 cms.
67. A page from Eric Gill's 'Typography', London 1936. Set up in Eric Gill's Joanna type. Size of the original.
68. Specimen page from Augustinus, *De civitate Dei*. Bremer Presse, München 1924. Types designed by Dr. Willy Wiegand. Lay-out by Josef Lehnacker. Initials by Anna Simons. Original dimensions of the sheet 34.6×24.5 cms. From a copy in the possession of the author.
69. A page from the Works of Goethe, Basel, Verlag Birkhäuser, 1944. Set up under the supervision of Jan Tschichold in a Monotype fount cut after the 'Poliphilus' Roman types of 1499. Almost the same size as the original.
70. A page from 'The Barking Writing Cards', a manual of model handwriting by Alfred Fairbank (Leicester, The Dryad Press, n.d., about 1930). Linear reduction about one fifth.



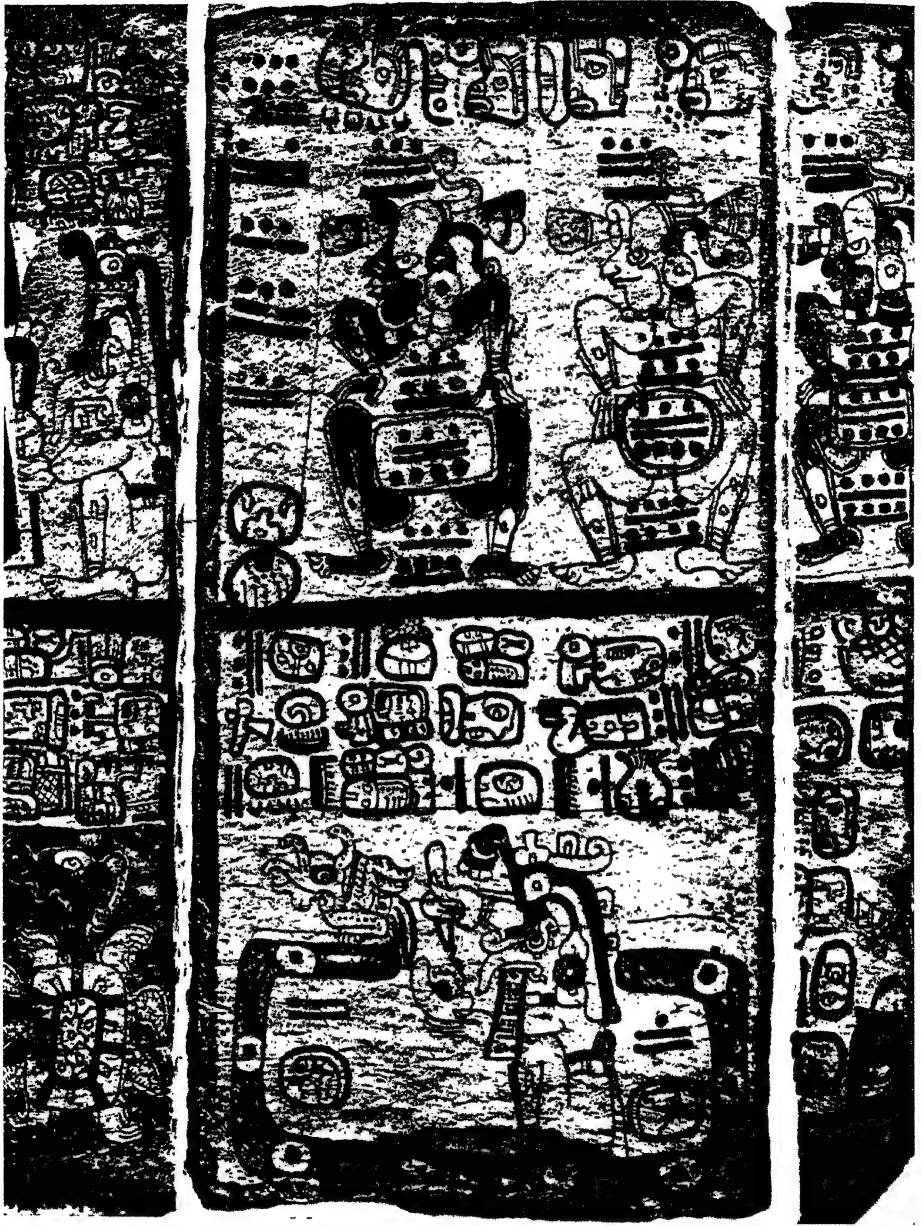
All writing originates in the desire to record and communicate events or conceptions. If we interpret this lifelike *painting from a cave of the Stone Age* as the expression of excitement over the killing of an animal, as a record of a successful hunting expedition, then it is an early form of 'writing' in the wider sense.



Markings of all kinds can display letter-like character without being genuine writing. Whether the *Stone Age pebbles* here reproduced are religious tokens, symbols, or have some other significance, the signs painted on them with the finger are not letters. Letters are only met with at a higher stage of civilization.



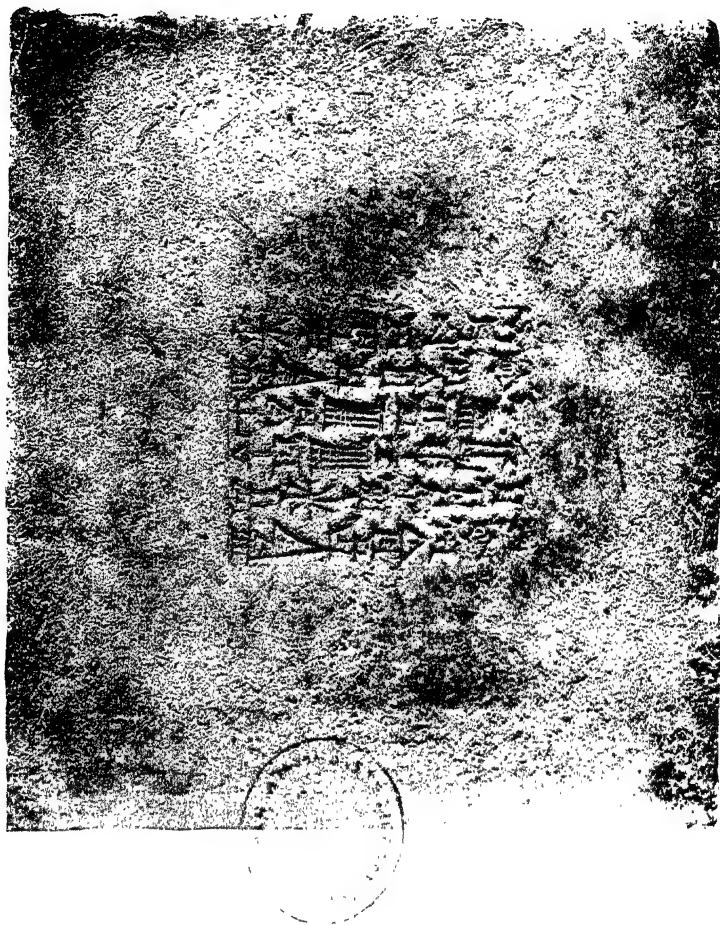
From the evolutionary point of view this *pictorial chronicle of the Crow Indians* of the last century still belongs to the Stone Age. It shows a succession of events, and by means of footprints and hoofmarks records the number of foes slain. The figures are however still not symbols for ideas, but mere copies from reality.



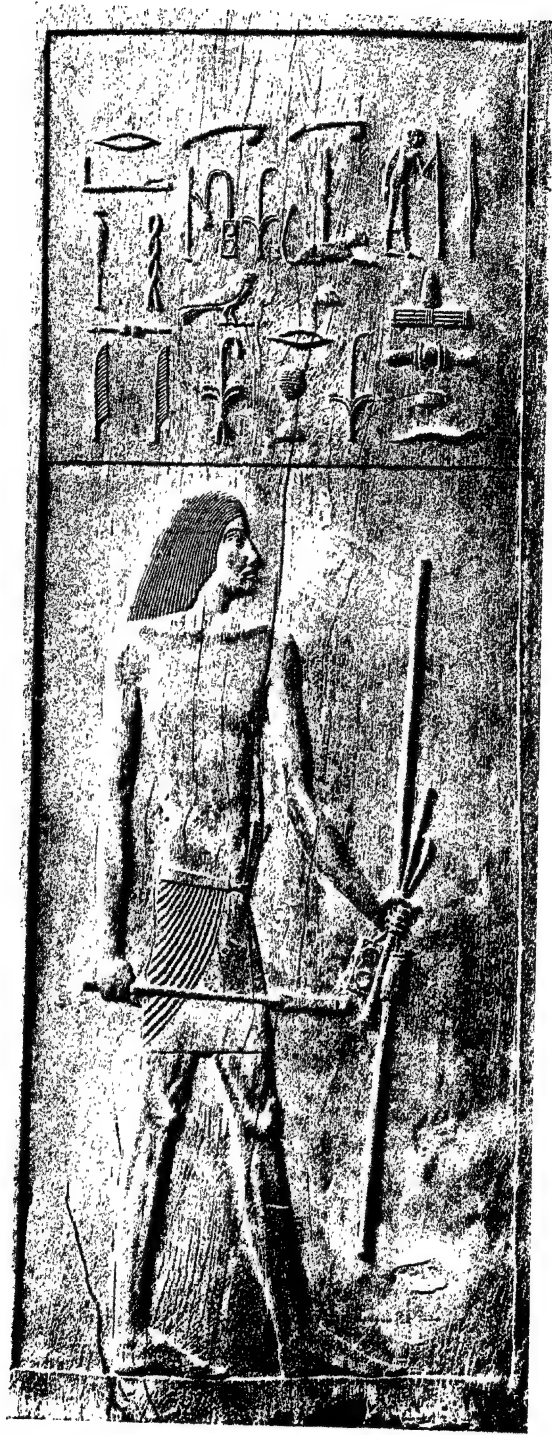
This comparatively highly developed *writing of the Mayas*, the inhabitants of ancient Mexico, displays mythological figures bearing numerical signs and accompanied by ideograms and series of numbers. Such characters as these could not be written in the modern sense of the word, but had to be laboriously drawn.



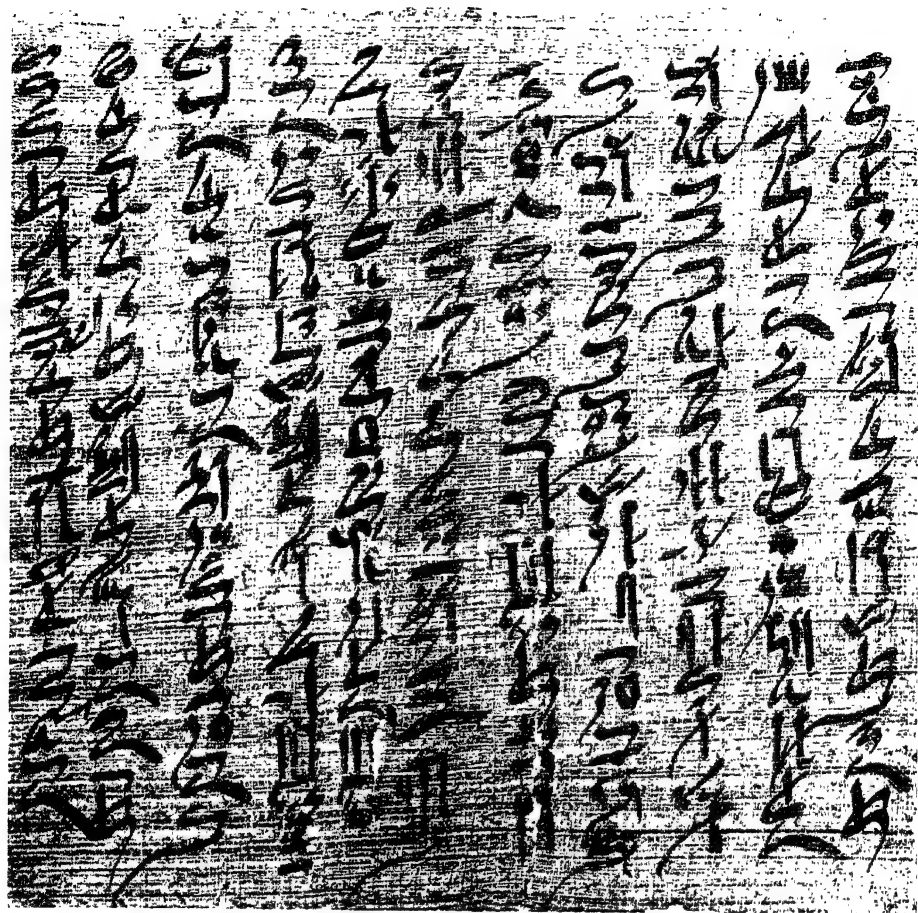
The *Cuneiform writing* of Mesopotamia owes its form to the material of the records, the moist clay of the soil, in which simple pictorial signs were impressed with sharp-edged writing-sticks. The Assyrians received this writing from the ancient inhabitants of the southern part of the land, the Sumerians.



Skilful hands could 'write' the simple Cuneiform signs far quicker than the complicated ideograms of the Mayas could be drawn. In order that it might be written still faster, it was turned round later on and laid on its left side. Several of the signs already represent simple sounds and syllables.



The *Hieroglyphics of the Ancient Egyptians*, a mainly ideographic writing, independent of Cuneiform and with occasional phonetic signs, were already in use three thousand years before our era. Most of the characters, although symbols, are clearly recognizable depictions of real objects, often executed with elaborate naturalism.



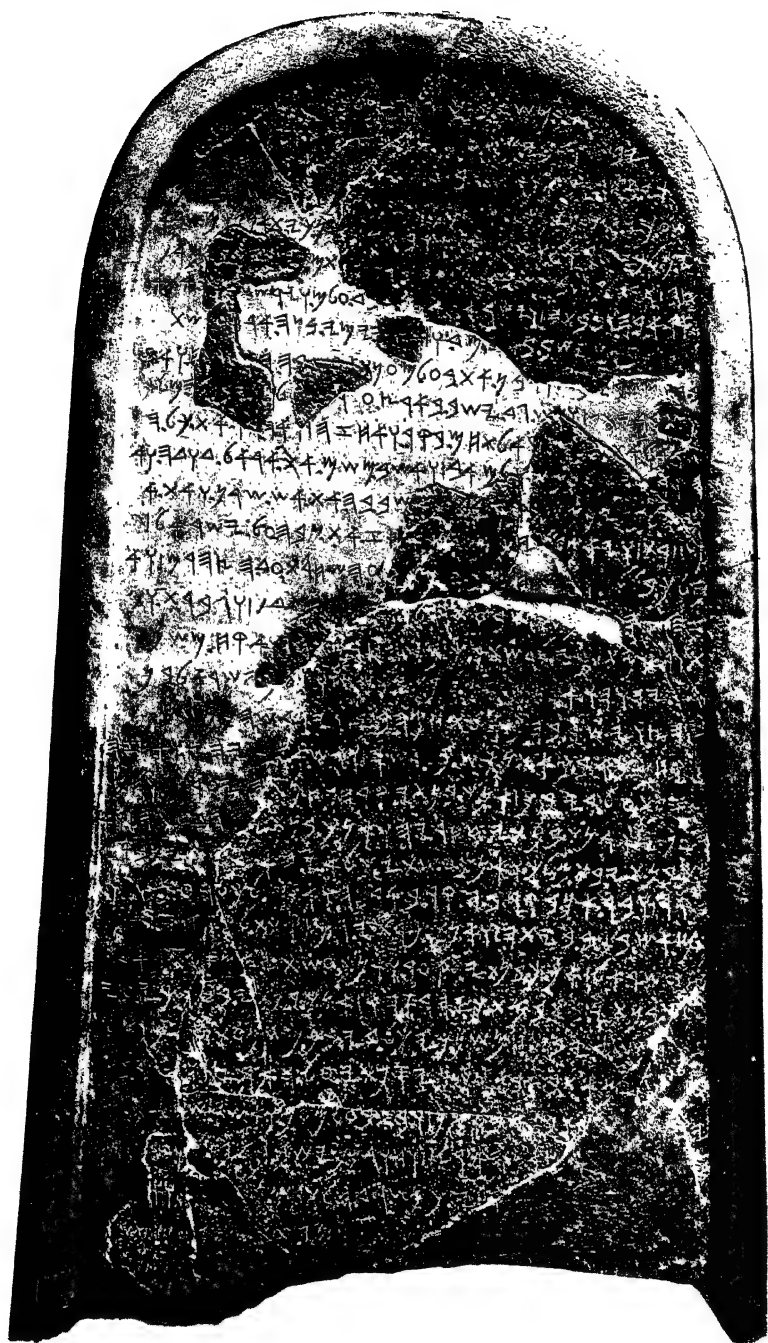
The Hieroglyphics on the preceding page are carved in relief on wood. On papyrus, the writing material of the ancient Egyptians, the reed pen produced a stroke like that of the broad nib, thus imposing a writable form on the characters. The very much abbreviated late form here reproduced is known as *Hieratic*.



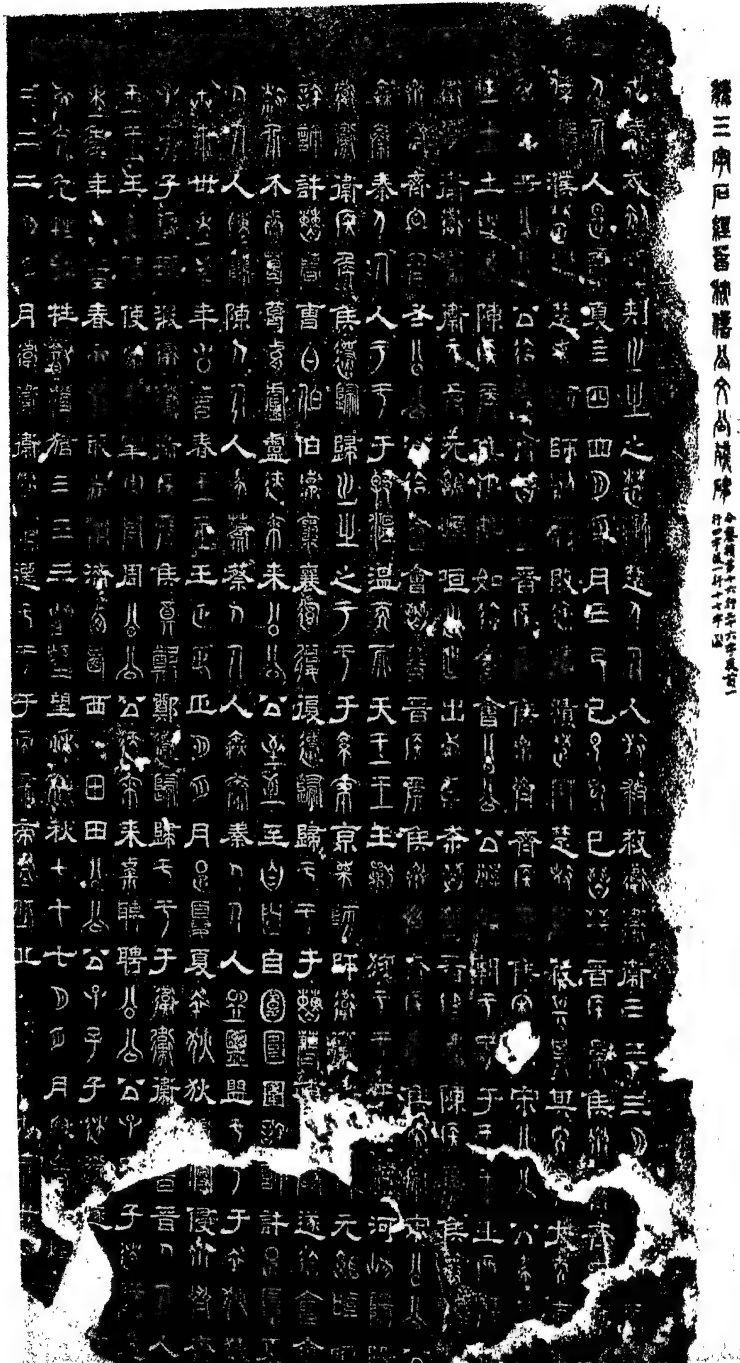
This trilingual tablet shows between the Hieroglyphics and the Greek translation the *Demotic writing*, an epistolary hand developed out of the Hieratic by rapid writing and considerable abbreviation, and hardly betraying any kinship to the distinct pictorial signs of its prototype.



Nearer to our cultural tradition is this still undeciphered, spirally arranged *Pictorial writing from Crete*.—If anybody were to represent the single sound 'B' by the picture 'Bread', because 'Bread' begins with 'B', that would be an example of the 'acrophonic principle', which inaugurates the history of our phonetic symbols.



About 1200 B.C. the ancient *Phoenicians*, a trading people of the Mediterranean, following up the acrophonic principle, the way for which had already been paved by Cuneiform and Egyptian Hieroglyphics, devised consonantal *phonograms* from much curtailed earlier pictorial symbols; these form the roots of Greek writing and so of our own too.



Chinese writing is, like that of the Mayas and the ancient Egyptians, of ideographic origin. The invention and employment of the brush gave a characteristic brush-form to the pictures, which had at first been clearly recognizable and linear. The above inscription shows three stages in the evolution of the signs.


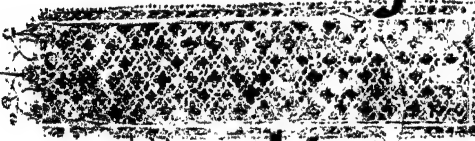


The Chinese value the art of penmanship higher than any other nation. Poets and statesmen, even the Emperor himself, regarded it as one of their greatest honours to be masters of calligraphy. The present leaf from the album of an Emperor of the Sung Dynasty shows developed Chinese writing at its highest pitch of perfection.



Japan to begin with used only Chinese written characters and still makes occasional use of them nowadays, although as a rule pronouncing them quite differently. Again and again, as in this Japanese woodcut with Chinese signs, we are charmed by the perfect harmony between Far-Eastern writing and painting.

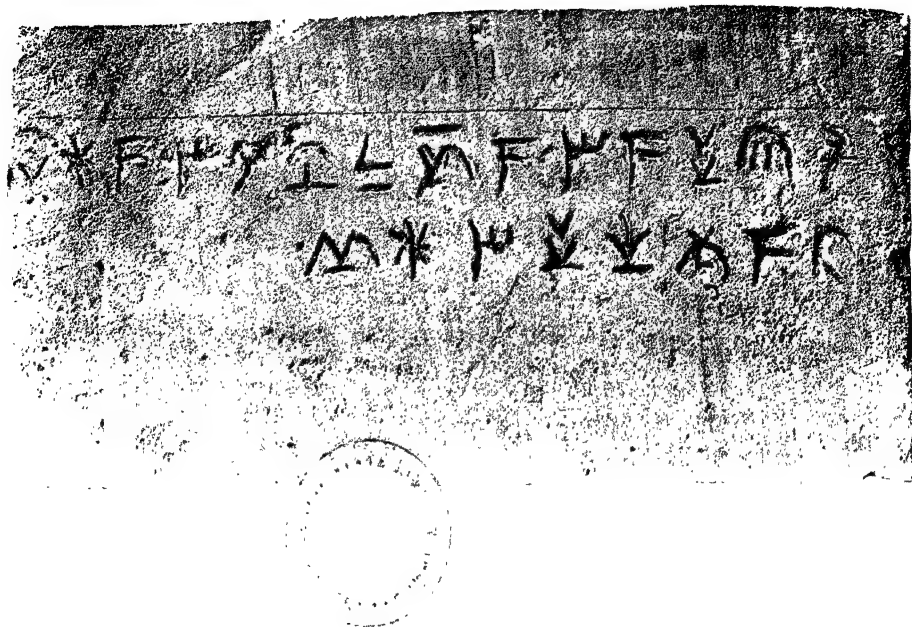
The *actual writing of Japan* is a phonetic system of signs for syllables, often interrupted however by Chinese ideograms. A master of calligraphy has in this scroll unified the so varied elements of Japanese handwriting with the inimitably light touch of his brush.

و كنور بالصور من سدر و
سدر و ماضين  سدر و
حلم خور خور خور خور خور
كل فكه امين لا يد و فون
فما المون لا المون لا
لا و و و فكه خور المون
ملا من بط بط هو المون
والعظم فاما سدر بالسط
للمن سدر و فاما فاما

سورة الحاشية
حما حما حما حما

How very differently the aspect of a script is determined by the broad reed pen is shown by these Early Arabian letters, known as *Kufi*. Their forms, running from right to left, interrupted by the polychrome gilt marks dividing the sentences, produce an impression of largeness on the vellum with their contrasts of circles and right-angled and toothed figures.



As in China, so also in *Persia* the art of penmanship is held in high esteem. The elegant right-to-left *Tatiq* writing of this beautiful book-page, written with a broad reed pen, was developed out of the old Arabian Kufi writing. It is less monumental, but more easy to write and read.



This *Cyprian writing*, a fairly abstract syllabic script, belongs to the immediate predecessors of pure phonetic letters. It is perhaps derived from Cretan models. The writing in our reproduction runs from right to left, while other specimens are written alternately from right to left and vice versa.



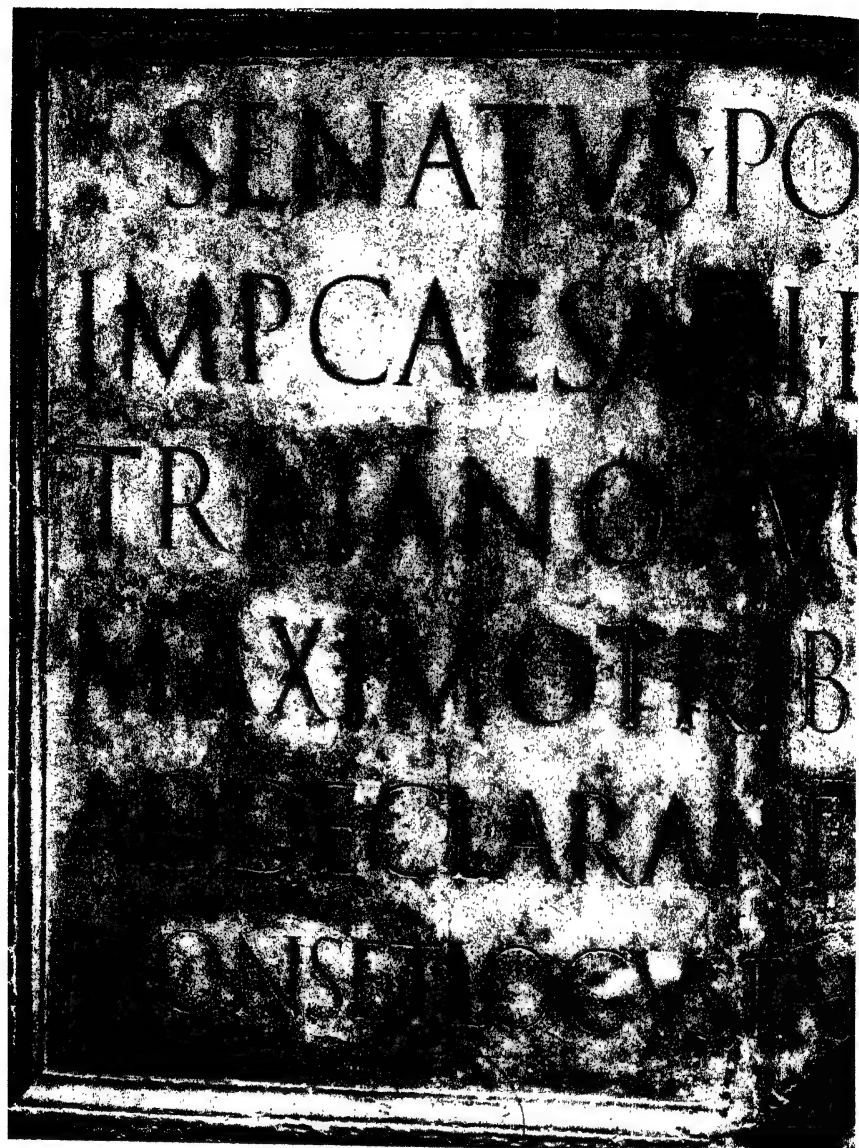
The ancient *Greeks* took over the principle and most of the fundamental forms of their writing from the Phoenicians. They knew how to arrange it in a harmonious order, the eminently clear geometric-ality of which mirrors the Greek Archaic Style. The fully developed writing of the Greeks, like ours, runs from left to right.

7 ΤΟΥΤΗΝ ΑΡΙΣΤΟΤΕΛΕΑ
 ΧΕΙΡΑΣ ΑΝΤΙΣΤΗΝΕΝ ΠΡΟΙΔΥΓΑ
 ΙΠΠΟΚΡΕΕΔΕΝΟΤ
 ΤΗΚΝΑΔΥΤΕΤΑΝ ΟΙΟΛΥΤΕΡΑ
 ΠΑΡΦΡΟΝΟΡΕΙΔΕΣ ΕΙΗ
 ΘΥΡΩΔΕΤΟΙ ΕΙΚΟΡΙΒΟΤΕ
 ΑΥΤΕΡΑ ΦΟΙΗ ΚΟΤΡΙΧΑ
 ΘΗΡΟΕΚΟΠΟΡΕΥΧΟΜΕΝΟΥ ΠΙΘΟΥΕΑΙΤΑΝ
 ΠΑΤΕΡΝ ΚΑΥΚΟΙΤΤΕΧΝΟΥ
 ΚΟΥΡΑΤΑΝΙΔΕΑΙΩΝ
 ΓΥΝΑΙΚΑ ΟΙΤΕ ΜΕΝ ΟΥ ΜΟΝΤΕΡΕΥΧΟΝ
 ΧΡΗΝ ΟΝΤΕ ΜΙΝ ΑΜΑΤΙ ΗΜΕΝ
 ΚΑΙ ΧΟΡΟΤΕΙΣ ΤΑΝ ΓΥΝΑΚΕΩΝ
 ΕΝΘΕΝ ΚΑΔΡΗΤΙ ΦΙΛΟΙ
 ΑΝΔΕΡΕΣ ΙΝΙ ΠΠΟΤΡΟΦΟΝ ΠΟΝΝΑΧΝΟΙ
 ΕΣΠΕΟΤΗΝ ΔΕ ΤΥΧΑ
 ΝΑΪΕΣ Η ΕΤΑΙΡΟΝΤΙΟΝ
 ΧΡΥΣΕΑ ΕΠΟΙΝ ΔΑΔΩΝ
 ΑΡΟΕΤΕ ΤΟΙΣ ΤΕΡΕΟΝ
 ΚΑΙ ΠΑΡΕΤΤΑΙΟΝ ΠΡΟΙΟ
 ΝΟΙ ΕΣΑΜΕΝ ΟΙ ΠΡΙΑΝΟΙ ΕΠΙΧΡΟΝΟΙ
 ΒΟΥΛΑΙΟΙ ΕΥΝΗΤΑΚΑΙΩΝ
 ΠΕΡΕΩΝ ΠΟΛΙΝ ΕΥΚΤΙΜΕΝΑΝ
 ΧΑΛΚΟΒΥΡΑΚΕΣ ΜΕΤΑΤΕΙΔΕΝΑ ΚΑΙ
 ΟΕΤΙ ΕΧΕΙ ΦΡΕΝΑ ΕΤ
 ΡΗΕΙΣ ΤΗΝ ΑΠΑΝΤΙΧΡΟΝ
 ΜΥΤΡΑΣ ΑΚΑΔΑΧΩΝ
 ΣΕΙ ΚΥΒΕΡΝΗΤΑΙΟ ΦΟΙΤΗΝ ΟΥΝ
 ΕΒΕΤΥΝΕ ΚΛΕΙΟΙ
 ΝΥΝ ΦΡΕΝΑΙ ΜΕΤΕΙΔΕ
 ΕΙΔΗ ΠΟΤΕ ΚΑΙ ΠΑΡΟΡΕΥΜΑΙ ΕΙΔΕ
 ΗΕΙΝ ΟΙ ΕΙ Η ΠΟΤΗ ΑΜΗΚΑ
 ΝΑ ΟΝ ΑΓΓΙΝΑ ΑΓΑΧΙ
 ΕΛΘΟΝ ΤΑΚΟΙ ΗΕΙΝ ΘΕΑΝΑΤΗΝ
 ΤΑΝΤΕΝ ΜΕΤΑΓΥΝΑΚΕΣ ΤΑΝΤΕΝ

The ancient Greeks wrote their books and documents on papyrus. With their reed pen they developed a flowing Majuscule writing (as writing in capitals only, without small letters, is called). The graceful forms of the column here reproduced fascinate us by the contrasted widths of the *Π*, *Ν*, *Μ*, and the *Ο*, *Ε*, *Ρ*.



Everyday notes were taken down on wooden tablets coated with wax. In our specimen a teacher has traced a proverb with his metal style for a pupil to copy. The writing already shows tendencies to upward and downward lengthening of certain strokes, precursors of the Greek small alphabet.



The letters of the *Old Roman Inscriptions*, the unsurpassed models of our modern letters, display, when compared with their Greek prototypes, emphatic, bold outlines, which bear witness to a highly developed sense for line and rhythm—symbols of the power and firmness of the Roman Empire.

PRO VASCVRAM CLYM ENENAN
 ANIMARTISQ DOLOS ETDVLCI
 NECHAODENSOS DIVVM NVVM
 MINEQVOCAPTAEDVM FVSIM
 DIVVNTITERVM MATERNAS INDA
 VSARISTAEIVITREISQ SEDIL
 IPVERESEDANTEALIASARET
 PICIENS SUMMA FLAVVM CAI
 OCVLOGEMITVNON ERVSTRA
 NESORORIPSEETIBITVAMAX
 ISARISTAEVSPENEIGENITOR
 ACRIMANS ETTECRUDELEMN
 PERCVSSANOVA MENTEM FO
 BEDVGCADNOS FASILLELIMINA
 ERATAITSIMVLAITVBETMAGN
 NAQVAIVVENISGRESSIONE
 ITAINMONTISFAGIEMCICVVA

The form of the lettering known as *Capitalis* reproduced on the opposite page is due in part to the chisel, above all, however, to a flat brush, with which the characters were 'traced' on the stone. The corresponding book hand, known as *Quadrata*, displays pen forms of great dignity, which can only be written slowly.

TUNDIT FONTICULIS UDATUGACIBUS
 IL LICIT GRACILIBALSAMASURCULO
 DESUDATA FLUUNT RARAQUE CINNAMA
 SPIRANT ET FOLIUM FONTE QUOD AD DITO
 TRAE LAMBENS FLUUIUS PORTAT IN EXITUM
 FELICES ANIMAE TRATA PER KERRIDA
 CONCENTU PARILESSUAUESONANTIBUS
 KVMNORUM MODULIS DULCE CANIT^{UM} MELOS
 CALCANT ET PEDIBUS LILIA CANDIDIS
 SUNT ET SPIRITIBUS SAEPE NOCENTIBUS
 TOENARUM CELEBRE SUB STYGIERIAE
 ILLAN OCTESACER QUAREDIIT DEUS
 STAGNIS ADSUPEROSEXACKERUITICIS
 NON SICUT TENEBRAS DE FACE TULGIDA
 SURGENS OCEANOLUCIFERINBUII
 SED TERRIS DOMINI DE CRUCE TRISTIBUS
 MAIOR SOLI NOUUM RESTITUENS DIEM
 MARCENTIS UT ILICI ISTA RTARA MITIBUS
 EXULTAT QUE SUICARCERIS OTIO
 UMBRARUM POPULUS LIBERABIGNIBUS

How considerable a part the instrument used plays in determining the forms of lettering is shown even more clearly by *Rustics*, a contemporary book hand, written somewhat more rapidly than Quadrata with a broad reed pen on parchment. There are still no spaces between the words and no punctuation marks. These only emerge in the seventh century.

Handwritten text in Early Roman Cursive script, likely a papyrus fragment. The text is written in a slanted, cursive style with many ascenders and x-strokes. The script is dense and fills most of the page. The text is written on a light-colored background, possibly a papyrus leaf, and is oriented horizontally. The script is a form of cursive used by the Romans in the early period, characterized by its slant and the frequent use of the 'x' stroke for the letter 'e'.

For letters and documents the Ancient Romans also made use of the papyrus, taken over from Egypt, on which the slightly slanting *Early Roman Cursive* was written at a considerable speed with a shredded reed. Some of the letters show ascending and descending strokes.

INDIVIDUALI CARITATIS
 ET CONCORDIAE LEGEM
 DOMINICAE PACIS TENUI
 ISTIS ET EXEMPLUM CE
 TERIS DILECTIONIS ET PA
 CIS VESTRO INIERETE
 CISTIS VITE ECCLESIAE UE
 RI PASCUAE VOBIS LEXA
 CRAMEN TUUM ITA Q
 ANOBI TENEBITUR
 VESTRO ETIAM CON
 SENSU VOBIS VOBIS
 NECTENDE RETURNEC
 CONFESSORES ET PA
 ROKIS DUCESTEREN
 QUI VIRTUTIS ET HONO
 RIS AUCTORES LAUDA
 BILES EXISTISSENT
 UIDERI QUANTUM VOBIS
 BIS CETERIS LAUDEN
 TUR VEL QUANTUM A
 PUTSIS POSSINGULI
 GLORIENTUR COME

ET GRATULARI SATISUO
 BIS ET PLUS CETERIS GLO
 RIARI IN HAC VESTRA
 PACIFICAE REGRESSIONE
 ET CARITATE CONFITE
 OR SIMPLICITER ENIM
 QUID IN ME OCORDEFI
 ERIT DEBETIS LAUDIRE
 DOLEBAM VEHEMENTER
 TER ET GRAUTER AN
 CIEBUX QUOD VESCO
 MUNICARER NON P
 SEM QUOS SEMEL DI
 LICERECOEPISSIS POS
 TEA QUAM VOS DECAR
 CEREPRODEUNTES
 SCHISMATICUS ET HE
 RETICUS ERROREXCE
 PIT SIC RESEXTI QUAS
 VESTRA GLORIA INCAR
 CEREMREM ANSISSE
 ILLIC ENIM RESEDIS
 SE VESTRI NOMINIS

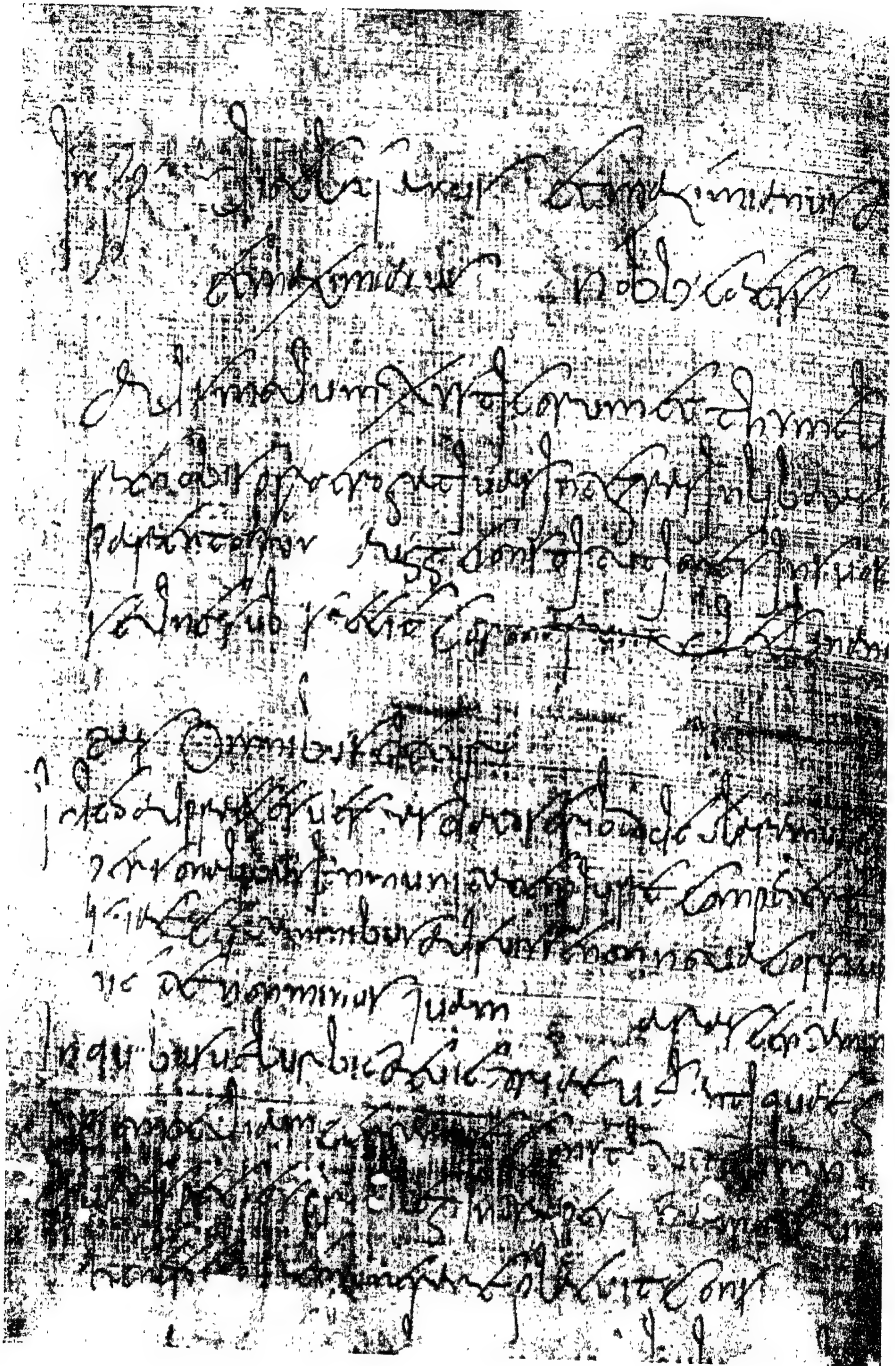
Uncials, the Early Christian book-script, take a number of these originally in the main accidental excrescences of several letters (D, H, L upwards, F, G, P, Q downwards) and make necessary constituent parts of the letters out of them. The outline of the words is thus accentuated and the writing becomes in a certain sense more readable.

QUANTO MAGIS PATER U
INCÆLIS EST DABIT BO
LIII BUSSE.

V OMNIA ERGO QUÆCUC
TIS UT FACIANT VOBIS H
ET VOS FACITE EIS HÆ
LV LEX ET PROPHETA

V INTRATE PER ANGUSTAM
QUIA LATA PORTA ET SPA
QUIE DUCIT AD PERDIT
MULTI SUNT QUI INTRA
QUIA ANGUSTA PORTA E
QUIE DUCIT AD VITAM
LVI QUI INVENIUNT EA

Although this large, stately hand, also *Uncials*, but written with the pen held in a different, more difficult way, belongs only to the eighth century, we introduce it here as a specially well formed variant. Characteristic is the fondness for broad curves, especially in the letters D, E, H, U and M.



The lengthened upward and downward strokes of the Uncials are developed in a still more lively way in *Later Roman Cursive*, the semi-formal hand of later Roman days. We can already recognize the modern forms of the *n* and *m*. Other characters in this handwriting, although it is not very easily legible for us, pave the way for the formation of small letters.

Non tinea q[uod] uos fidei profectu hiripimur dicir.
 euangeliorum tecum hereticeluctanti; ciu
 dir pro fternone m[un]di dicentir. haec et autem
 uita aeterna ut cognoscant te et uerum
 d[omi]n[u]m et quem in uita i[esu]m x[p]m. quare quid n[on]
 quod renrum moueat ne uerum d[omi]n[u]m x[p]m sit. non
 enim habet nunc quid de x[p]o credere. signifi
 catio alij quia uolunt te et ademonitret. non ha
 ber quicquam praeterquam i[esu]m x[p]m. non filij
 hominis ut d[omi]n[u]m d[omi]n[u]m dicere. non filij u[er]i ut pro
 fiteri eide re uita uerit. non descendente
 panem uiuum de caelo. quod cum multorum cau
 dalodere frequenter dicitur et uerum
 d[omi]n[u]m et quem in uita i[esu]m x[p]m. Omne praenomi
 num et cognominum uel naturalium uel adump
 torum conuetudinem praetermitit. Ut cum
 confitendur uerum d[omi]n[u]m x[p]m sit. x[p]i h[ab]it[us] aeterni
 tatem praestarent. sine dubio in ea i[esu]m x[p]m
 re et significatione quad[am] sit. sed forte quod
 ad te et uerum communionem atque unitatem
 ad id reparat. reparet et tunc non ad id quod
 ad te et uerum d[omi]n[u]m. continuo rubiecit. et que
 minit i[esu]m x[p]m. Et renrum audientir interrogo
 quid credendur sit i[esu]m x[p]m. cum ad id quod pater
 solus d[omi]n[u]m credendur sit. credendur sit x[p]i
 sit. sed solus forte pater d[omi]n[u]m x[p]m non re
 linquit ut d[omi]n[u]m sit. non relinquit pater n[on] uerum
 pater x[p]o non relinquit ut uerum d[omi]n[u]m sit. ita roly
 d[omi]n[u]m pater x[p]o non adimit ut uerum d[omi]n[u]m sit. ita roly
 d[omi]n[u]m pater uerum x[p]o i[esu]m non aufert ut d[omi]n[u]m sit.

Half-Uncials remind us of small letters rather than of capitals. With their new forms of closed a, of b, d, of closed e and of r they constitute the last forerunners of the Minuscules or small-letter hand. The words are, as in all writing hitherto, not separated, or very seldom so.



The imagination of the Irish monks reveals itself most strikingly in the decorative pages of the Book of Kells and of the *Lindisfarne Gospels*. Wilful transformations of the letters combine with the Irish band-and-dot ornamentation and with the strange richness of the colouring to produce a total effect of magical magnificence.

et gloriam eorum. Et dixit illi; haec tibi omnia dabo si
cadens adoraueris me; Tunc dicite uobis; Uade satanas
scriptum ē enim; Dñm dñm tuum adorabis. Et illi soli
seruias;

Tunc reliquit eum diabolus. Et ecce angeli accesserunt
et ministrabant ei;

Cum autem audisset ih̄s quod ioh̄an
nes traditus esset secessit in galileam.

Et relicta ciuitate nazareth uenit et habitauit in caphar
naum maritimam. in finib; zabulon et nephtalim. ut
adimpleretur quod dictum ē per esaiā prophetam;
Terra zabulon et terra nephtalim. uia maris trans
iordanem galileae. Gentium populus qui sedebat in te
nebris lucem uidit magnam. Et sedentibus in regio
ne umbrae moras lux orta ē eis;

Exinde coepit ih̄s praedicare et dicere; paenitentiam
agite appropinquauit enim regnum caelorum; Ambu
lans autē iuxta mare galileae uidit duos fratres; symo
nem qui uocatur petrus. et andream fratrem eius mit
tentes rete in mare. Erant enim piscatores;

Et ait illis; Venite posce me. Et faciam uos piscatores fieri

In the monastic schools of Tours and St. Gall the Irish-Anglo-Saxon Half-Uncials were adopted as models and a new style of writing was evolved, the *Minuscules*. This new style of writing, the proto-type of our modern letters, is known as *Carolingian Minuscules*, because it was developed in the days of Charlemagne.

VERBO VOLANS A GUILA
VERBO PETIT ASTRALIOH.

INCIPIT
EUANGELIUM
SECUNDUM
IOHANNEM



ET VERBUM ERAT
APUD D^m ET D^s ERAT VERB^u

Hoc erat in principio apud d^m: Omnia per ipsum facta sunt. & sine ipso factum ē:
nihil: quod factum est: in ipso vita erat: & vita erat lux hominum: & lux in tene-
bris lucet: & tenebrae eam non comprehenderunt: Fuit homo missus a d^o: cui
nomen erat iohannes: Hic uenit in testam^o ut testam^o perhiberet
de lumine: ut omnes crederent p^r illum: Non erat ille lux: sed ut testam^o
perhiberet de lumine: Erat lux uera: quae illuminat omnem hominem
uenientem in mundum: In mundo erat: & mundus per ipsum factus ē: et mun-
dus eum non cognouit: In propria uenit: & sui eum non receperunt: Quot quot
autem receperunt eum: dedit eis potestatem filios di fieri: his qui credunt in
nomine eius: Qui non ex sanguinibus: neque ex uoluntate carnis: neque ex uo-
luntate uiri: sed ex d^o nati sunt: Et uerbum caro factum est: & habitauit in
nobis: Et uidimus gloriam eius: gloriam quasi unigeniti a patre: plenum gratiae

It exhibits clearly defined ascending and descending strokes, distinctly differentiated particular letters, and thanks to the improved way of holding the pen it can be written quickly and with ease. In the fifteenth century it was again chosen as a model by the Humanists, and thus once and for all became the primal form of our printing types.



SCDM. IOHANNEM.

IN PRINCIPIO

ERAT VERBVM

ET VERBVM ERAT

APUD DEVM. ET DEVS ERAT

VERBVM. Hoc erat in principi

o apud dñm. Omnia p ipsum

facta sunt. & sine ipso factum

est nihil. Quod factum est.

in ipso vita erat. Et vita

erat lux hominum. & lux in

tenebris luce. & tenebre eam

non comprehenderunt. Fuit

homo missus ad eo. cui nomen

erat iohs. Hic venit in testi

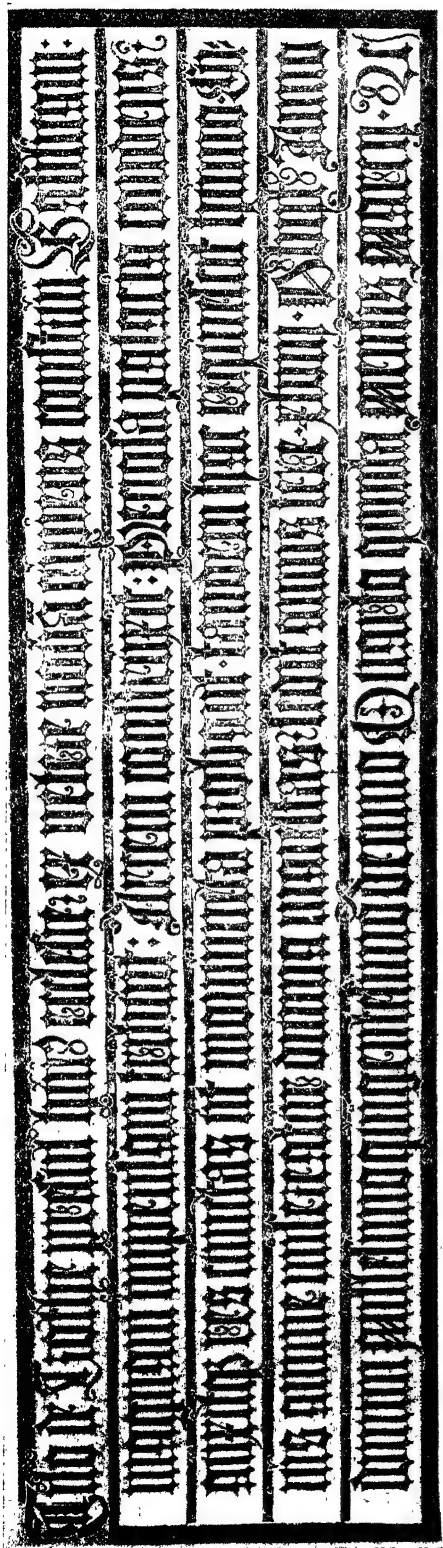
moniū ut testimonium perhi

The words are now always separated. The new Minuscules remained for centuries the leading European book-script. Only in the twelfth century is a tendency towards lateral condensation to be observed, which in smaller hands is due perhaps in part to quicker writing, on the whole however to a revolution in style.



In diebus unius iudicis quando
 iudices preerant: facta est fa-
 mes in terra. Abijt ergo homo de
 bethleem iuda ut peregrina-
 retur in regione moabitate:
 cum uxore sua. et duobus libe-
 ris. ipse uocabatur helymelech
 uxor eius noemi: et duobus fi-
 liis. alter maalon. alter che-
 lyon ephratæi de bethleem iu-
 da. Ingressique regionem mo-
 abitadem: morabantur ibi.
 et mortuus est helymelech ma-
 lus noemi: remansitque ipsa

In the thirteenth century this condensation led to a slight change in the form of the hitherto round letters, such as e, o, b, q. The heads of m, n, u and i, j, r and p undergo an emphatic thickening and assume a lozenge-like shape. Thence this *Early Gothic Hand* produces a darker effect than its predecessors.



fructus eius. p. Dñi est r. km.

o die nata est

le ata uirgo ma

ki a exproge me da und

per quam salus mun di creden

bus ap paru ir lu mis uita

glorio sa lucem de dir se

tu lo. v. eant sine uirgi

The form underlying the brass of the previous page is also a pen-form. The fully-developed *Textura* manner is consistently angular and sharp; it is written with a broad nib at a moderate speed. The thickness of the stroke and the width of the intervals remain uniform. Its effect is solemn and dark; but it is not very legible.



Manifestatis De trinitate iussus
solio. tres sedent in tridinio ymus
nam non est consolatio: ople.
et solitario.

Et tunc mentis oculo: dum patet in
se flectitur in lucis sue speculo imago
par ceperuntur.

In magnis consortium: nativis pre
bet cecitus. consors q; ceperans gau
diu ingentis et genitus.

Hoc gaudium est spiritus: quo patri
natus iungitur: et unum boni fundi
tus in tribus his clauditur.

In tribus est simplicitas: quos non
distinguit qualitas: nec abstat tribus
unitas. q; amplius univocitas.

Per solam unam originis communio fit
numinis natui ductu germinis: no
tum q; spirantibus.

In genito et genito cum spiritu paraceto.
honoris simpli debito: psallamus co
de debito. Amen. Nihil nocturni ymus.



de champaigne.
Le conte de bax.
 Le conte de saussere.
 Le conte de tonmorete.
 Le conte de porcen.
 Le conte de brucme.
 Le conte de grantpre.
 Le conte de rethel.
 Le conte de vertuz.
 Le conte de brame.
 Le conte de bipe.
 Le conte de somgny.
 Et le conte de rouissy en cha-
 paigne.
 Les contes soubz le conte de
 thoulouse.
Le conte de foy.
 Le conte de comminges.
 Le conte de bigorre.
 Le conte de seac.
 Le conte de lisse.
 Le conte de gaurte.
 Et le conte d'albrecht.
 Soubz le conte de fladrez
 namulz contes.
 Les contes soubz le conte
 d'artoy.
Le conte de saint pol.
 Le conte de guynes.
 Le conte de bouloigne.
 Et le conte de fauquebergue.
En sy appert q'en France
 24 soubz le royaume sont en

somme xxviij. En y comp-
 tant les trois pex d'iz et
 p'ituelz. Et si y a et doit
 auoir m^{es} d'iz contes en
 y comptant les trois cotés
 espirituelz pex.
 En s'euient les noms
 des abz archeuesques et
 euesques du royaume.
En d'iz sentis souffos
 Ean Meaux. Auverre.
 Nevers. Luchun. Langres.
 Chalons. Macon. Lyon.
 Besancon. Amiens. Laon.
 Therouene. Comenay. Beau-
 uay. Nonn. Orleans. Char-
 tres. Sens. Bourges. Eves.
 Clermont. Saint flours.
 Angiers. Le mans. Troyes.
 Paris. Chalons. Rouen. Le
 p'ieux. Euxaux. Soes. Bay-
 aux. Auvergne. Constance.
 Poitiers. Jussieu. Mallest.
 Angoulême. Lymoges.
 Nantes. Pierrefort. Bor-
 deaux. Baronne. Asquie.
 Erec. Cleron. Luv. Coudon.
 Montaubert. Lectore. Cordes.
 Rodde. Agout. Chaouet.
 Eulle. Basat. Dauzet. Ny-
 met. Maglomme. Londres.
 Agde. Besiers. Neebonne.
 Saint pons. Carcassonne.

The semi-formal hands of the late Middle Ages conform to the example of the book-script and are to a large extent broken. All the letters cannot however participate in this remoulding process. The letters c, e, o, d, b, p, q, h and other originally curved characters remain round and are only drawn to a point above and below.

[illegible]

Ver. Fin. Recd.

Delicate is the effect of the chains of m-height in the *Gothic Cursive* of this safe-conduct on vellum. The uniform up and down of the links of the chain contrasts with the vigorous long f, by which it is frequently interrupted and by the less frequent projecting capitals.

elibus presentes litteras inspecturis Vale et apostolicam ben-
 edictionem omnipotentis dei maiestate et misericordia sperantium
 itaque sicut accepimus ecclesia sancti Petri Basilien-
 ibus libris campanis ornamentis et paramentis ecclesiasti-
 cis redditibus inde structuræ et edificia reparari nec-
 optare ad premissa christifidelium pia sunt fragora sunt
 is repararetur et conservetur necnon elemosinis localibus li-
 uocionis ad eandem ecclesiam confluant ac ad illius fabri-
 paramentoꝝ predicatoꝝ et resurrectione comparatio-
 refertos de omnipotentis dei misericordia et beatorum
 in octavis eiusdem diei ecclesiam predicam deuoti-
 calium librorum campanarum ornamentorum et paramente-
 s et totidem Quadragenas de munere tuis eis peniten-
 tis manus adiutrices porrigentibus ut presertim aliqui
 nre littere nullius sint roboris uel momenti Dat
 m

Millefimoquadringentesimoquarto

A complete breaking up of writing remained rare in Italy. The *Papal Chancery*, which had always had a weakness for flourished and unusual letters, alone employed a hand similar to the Gothic Cursive of Northern Europe, but only till the Humanistic Cursive emerged.

Et docuit Gallos natura atq; arte superbos

Romano tandem succubuisse duci.

Ulcio furio. Claudio appio cōsulib⁹. fit tribun⁹ militaris
 Pharusius valeri⁹ adolescēs. Atq; eo in tpe/copie gal-
 loz ingētes/aurū pōtinū insīderāt. Instruebantq; acie-
 a cōsulibus/de vi atq; multitudine satis agētib⁹. Dux
 interea Galloz/vasta atq; ardua pceritate/armisq; auro pfulgen-
 tibus grandi ingrediens passū/manuq; telū reciprocās incedebat.
 perq; cōtemptū r supbiā circūspiciēs/despiciēsq; oīa. venire iubet
 r cōgredi si quis pugnare secum ex omni romano exercitu auderet.
 Tum Valerius tribunus/ceteris inter metū pudorēq; ambiguis:
 imperato prius a cōsulibus/vt in Gallū tam imaniter arroganē
 pugnare sese pmitterēt. Progredit intrepide modesteq; obuiā. Et
 cōgrediunt r cōsistūt/r cōserebant iam man⁹. Atq; ibi vis quedā
 diuina (sit que hactenus romanū suffulsit imperiū). Coruus repēte
 improuisus aduolat: r super galea tribuni insistit: atq; in aduersarij
 oculos pugnare incipit. Insubilat: obtrubat vnguib⁹: manu lami-
 bar: r pīpectū ales arcebat. Atq; ibi sans seuerat/reuolabat in ga-
 leam tribuni. Sic tribunus spectante vtroq; exercitu: r sua virtute
 nitue: r opera alitis ppugnatus: ducem hostiū ferocissimū viat: in-
 terfecitq;. Atq; ob eam causam cognomen habuit Coruinus. Id fa-
 ctum est anno quadringētesimoquinto post romā cōditā.



Discordiā causam esse euersionis omniū regnōz
 Nulla est tam grandis: nulla est tam magna potestas
 Que non dispersum dissociata cadit.

B

Before long the Southern variety of Gothic writing, the *Rotunda*, came to be used by the printers as a model in cutting their *types*. Whereas the earlier printed books nearly always exhibit initials written and coloured by hand, from the beginning of the sixteenth century onwards the book ornamentation was cut in wood and printed together with the text.

pene ciuitatem exhaustisse: florentinos/
 præciuales discordias, peste q̃ ferme ad i-
 territionem consumptos: Romā morbo
 continuo agitatam, uix unq̃ fuisse inco-
 lunem: Quid febres referam: Quid capi-
 tis/et totius corporis dolores: Quid flux⁹
 uentris/et piculosisimas dysenterias: ⁊
 Quid, quos ego paucis ante mensibus, ex-
 pectus sum, cētus acerimos, qui ne medi-
 a quidem hyeme/aque frigidissim⁹ con-
 tinuo potu/et cucumer⁹, quos angurios
 uocāt, frequentissimo usu/et straguli ab-
 iectione/et longissima inedia: et uini ab-
 stinentia poterant cohercere/et (nisi q̃ do-
 minus adiuuit me) paulomin⁹ ad inte-
 ritum pduxissent: Tu q̃ qui summa sep̃
 oum noxiar⁹ rē abstinentia fuisti/cū
 a me p̃mum patauit salutar⁹, s̃b mēto
 ulcus habuisti/et inuolutū multis dieb⁹
 uitta collum gessisti: Et huc cui nē mōtē
 dolemus frater tuus, cum tecum pariter
 equitantes/dimidiatos fere urbis muros

Meanwhile, however, a long forgotten style of writing had been brought into esteem again by the Italian humanists, the Carolingian Minuscules. Believing it to be the writing of classical Rome, they honoured it with the appellation 'lettera antica' (the old writing). We call it *Humanistic Minuscules*.

Incipiunt epistole Cecilii Cypriani ad Cornelium
Papam. Et prima de confessione. feliciter.

Cyprianus Cornelio fratri salutem. Cognouimus frater carissime fidei ac uirtutis uestre testimonia gloriosa. & confessionis uestre honorem sic exultanter accepimus ut in meritis ac laudibus uestris nos quoque participes ac socios compuremus. Nam cum nobis et Ecclesia una sit & mens iuncta: & indiuidua concordia: quod non sacerdos in consacerdotis sui laudibus tanquam in suis propriis gratuletur? Aut que fraternitas non in fratrum gaudio ubique letet? Exprimi satis non potest quanta ista exultatio fuerit & quanta letitia: cum de uobis prospera & fortia compersissemus. ducem te illic confessionis fratribus exuisse. Sed & confessionem ducis de fratrum consensione creuisse. ut dum precedis ad gloriam feceris multos glorie comites. & confessorem populum suaseris fieri: dum primus paratus es pro omnibus confiteri. ut non inueniamus quid prius predicare debeamus. utrum ne tuam promptam & stabilem fidem an inseparabilem fratrum caritatem. Virtus illic Episcopi precedentis publice comprobata est. adunatio sequentis fraternitatis ostensa est. dum apud uos unus animus & una uox est Ecclesia omnis Romana confessa est. Claruit fratres carissimi fides quam de uobis beatus Apostolus predicauit. Hanc laudem uirtutis & roboris firmitatem iam tunc in spiritu preuidebat & preconio futurorum menta uestra contestans: dum parentes laudat: filios puocat. dum sic unanimes dum sic fortes estis magna & ceteris fratribus unanimis & fortitudinis exempla tribuistis. Docuistis granditer deum timere. Christo firmiter adherere. plebem sacerdotibus iungi. in persecutione fratres a fratribus non separari. concordiam simul iunctam uina omnino non posse. quicquid simul petitur a cunctis deum pacis pacis exhibere. Prosluerat aduersarius terrore uiolento Christi castra turbare. sed quo impetu uenerat eodem impetu pulsus est. & quantum formidinis & terroris attulit: tantum fortitudinis inuenit & roboris. Supplacare se iterum crediderat posse dei seruos: & uelut Tyrões & rudes quasi minus paratos & minus cautos solito suo more concutere. Unum primo aggressus ut lupus ouem secernere a grege: ut accipiter columbam ab agmine uolantium separare temptauerat. Nam cum

cætera. Hic hias ex quo iteratiuum figuratur hiat: hiaras.

Inchoatiuum uero figuratur hifco hifcis cum dicimus.

Sed quanq̃ ita se habeant tamen plus esse uidetur i eo quod ē hifceſ q̃ hiare. Hiat eim qui ore patet uel tacitus tm̃ quod in rebus fictis animaduerti pōt. hifcere uero incipere loqui. Illud præterea nōnullis libuit animaduertere q̃ actius actiua nōnulla figurata i choatiua iperiūtur etiā paſſiua: quale ē gelo gelas: cuius inchoatiuum facit gelafco quod ē icipio gelare.

Item cum ē lento lentas: Vnde Virgilius: Lentandus remus i unda. Ex hoc inchoatiuum lentefco facit ut idem Virgilius Et picis in morem ad digitos lentefcit habendo. Eiusmodi figuratio parum admittit ex se perfectum: nec conuenit ad mittere ut aut poſſit: aut debeat cum cæteris temporibus p totam declinationem uim incipiendi ſignificare. Abſurdū ē ergo ea quæ ſunt inchoatiua perfecto tempore definire: & mox futurum declinando inchoatiua eſſe demōſtrare. Nec enim poteſt cum tota uerbi ſpecies inchoatiua dicatur alia parte finitiua uideti ut perfectum admittat. Nec enim pale ſciui: horreſciui dicimus. per aliam tamen tranſfigurationē hæc uerba quidam declinare conſueuerunt. ut paleſco: pale factus ſum: liqueſco liquefactus ſum. quāuis quidam ad pfectum inchoatiuum uenerint modo primitiui ut horreſco horrui ex eo quod ē horreo. Nec tamen omnia inchoatiua habent primam poſitionem. Albefco enim nō habet albo licet figuranter Virgilius: Campiq; iſgentes oſſibus alben. Item putreſco: grādeſco: ſilueſco: uileſco: bruteſco: iuueſco nō habet iuueneo. Nam ſeneſco & ſeneo apud ātiq̃uos dicebarur. Vnde & Catullus nunc recondita ſener.

Deducuntur item inchoatiua a neutris uerbis & appellationibus. ex uerbis: ut caleo caleſco: deliteo deliteſco: frōdeo frōdeſco: floreō floreſco. Et ſunt hæc quæ a perfecta forma ueniūt. Sūt itē quæ originē ſui nō habēt: ut cōſueſco: cōquieſco. Sunt quoq; alia inchoatiuis ſimilia quæ inchoatiua nō eſſe temporum conſideratione pemoſcimus. ut compeſco

The true *Roman Type* is developed in the seventies of the fifteenth century. It is derived from the Humanistic Minuscules. The capitals, however, disclose the forms of the Roman inscriptions, and the numerous finishing strokes of the small letters are assimilated to the same model.

[illegible]

From Late Gothic German Cursive there develops, about the turn of the fifteenth century, the delicate *German Chancery Running-Hand*. This is the prototype of the German sharp-pen hand, a degenerate running-hand, similar in style to the English and American copperplate script learnt at school by the older generation.

[illegible]

CORNVCOPIAE

SEV LATINÆ LINGVÆ COMMENTARII

locupletissimi, Nicolao Perotto, Sipuntino pontifice autore, de nouo ad ueteris codicis,

Scriptorum, unde illos deprompserat, fidem, diligentissime recogniti,

cum eiusdem libello, in præfationem Plinii Secundi, ad

Tuum Vespasianum, & rursum in eum ipsum

libellum, Cornelij Vitellij anno

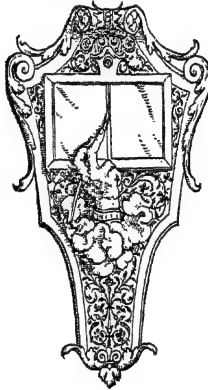
rationibus.

M. Terentij Varronis, de lingua Latina libri tres, & totidem de analogia.

Sexii Pompeij Festi librorum XXI. fragmenta.

Nonij Marcelli compendiose doctrine ad filium, de proprietate sermionum, tractatus uarij, & in hos omnes castigaciones non parum inde, opera Michaelis Benini nuper adiectæ.

Præterea index copiosissimus Græcarum & Latinarum dictionum quæ in toto volumine, nullo ordine passim dispersæ erant, nuper singulatim ad uerbum restitutus, & sic semel temperatus, ut historię & fabulæ, proverbia & eijusmodi, quæ prius indigesta, confusâq; erant, nunc belle suo quæque loco distributæ sint.



BASILEAE APVD VALENTINVM CV

RIONEM, ANNO A NATA

LI CHRISTI

M. D. XXVI.

A particularly noble symbol of the humanistic spirit is this clear, well arranged and yet bold Basle title-page of the year 1526. The *Upper Case Roman* of the first line is a famous Basle type-face. The small *Italics* are the typographical variant of the slightly slanting, compressed humanistic cursive.

*Laisse M. Confieur
de parlement avoir pour recommander le bon droit*

*D. B. Conduite du frangemouant Exier Sior de
et du fondation app.*

*Contre . Comede de H. Sacondon cap^{me} au regiment de la vau
Spahine.*

*Le Moye / Confieur Coqueley D. L.
L'outroie arbedor*

Jacob. 4.4.
 De vriendſchap vande Werelt ſott,
 Een Vriendſchap is teghens Godt:
 So wie dan's Werelts vriend wil ſijn,
 Wort Gods Vriend in daed en ſchijn.



In the seventeenth century a copperplate refinement in writing came into fashion. People desired to write 'as though engraved'. Whereas hitherto the breadth of the nib had determined the form of the letters, from now onwards it became the practice to alternate lighter and more forcible pressure in order to produce swelling lines.

tem 1685 futilem et periculosissimum illum an-
 penitus intuemur, quò ex mandato nro ad præ-
 standam Præsidij superioris Regni nri Hungar-
 e contra immanes Christiani neminis hostium Tur-
 carum impetis necessariam provisionem institu-
 endamq; et oculandam generalem Militiæ nre
 Liustram, cum magna pecuniarum quantitate
 tanquam requisito belli nro missus fueras; Su-
 bit animum nram recordatio TE TIBI eorum,
 etiam commissa tam fideliter executum fuisse, mo-
 dofatissq; superioris Hungaræ Præsidij, et Præsidia-
 rij de stipendio, alijsq; pro continuando debiti;
 erga nos hominagij obsequio necessarijs tanta cum
 dexteritate providisse, ut accederet Divina grati-
 præcunctæ superioris Hungaræ partes, et Præsidia
 contra barbaros Turcarum atq; ac Rebellium im-
 petus, et conatus felicissime fuerint conservata.
 Dum deniq; præsentem (IV) muneris statum,
 præspecificati videlicet Superioris Commissarij
 Bellici Officium ex arte contemplamur, quòd (V)
 primum quidem in Superiori Archiducatu nro
 Austriæ integro Octennio præstituti, jamq; actū

Cette Fonderie de Caractères s'augmentera de tems en tems de toute sorte des beaux & nouveaux Caractères, & nous nous efforcerons de la mettre au plus-haut degré de Perfection; nous n'y épargnerons ni fraix ni peine, pour faire paroître LE TRES-NOBLE ART DE L'IMPRIMERIE dans son plus - grand Eclat, & pour mettre NÔTRE VILLE, comme L'UNIQUE MERE DE CET ART, dans son premier Lustre.

Si quelques Savans àù Professeurs auront envie de faire fonder DES CARACTERES DES LANGUES ORIENTALES pour l'Impression des Ouvrages, nous sommes prêts à leur ordonner de les apâter le plus-correctement, qu'on les puisse souhaiter.

Outre l'Augmentation, qu'on voit depuis l'année 1748 jusques aujourd'hui dans cette Epreuve, nous avons encore

en=

The art of penmanship became limited to the sphere of duplication by bookpress and engraving. The type-cutting engravers in particular scored remarkable achievements. One of the best of them was J.M.Fleischmann, who was employed in Holland. He created the beautiful calligraphic type-face here reproduced.

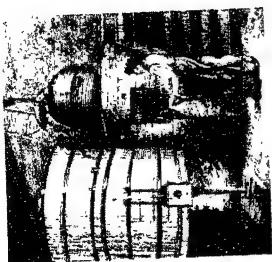
1855

Remittance

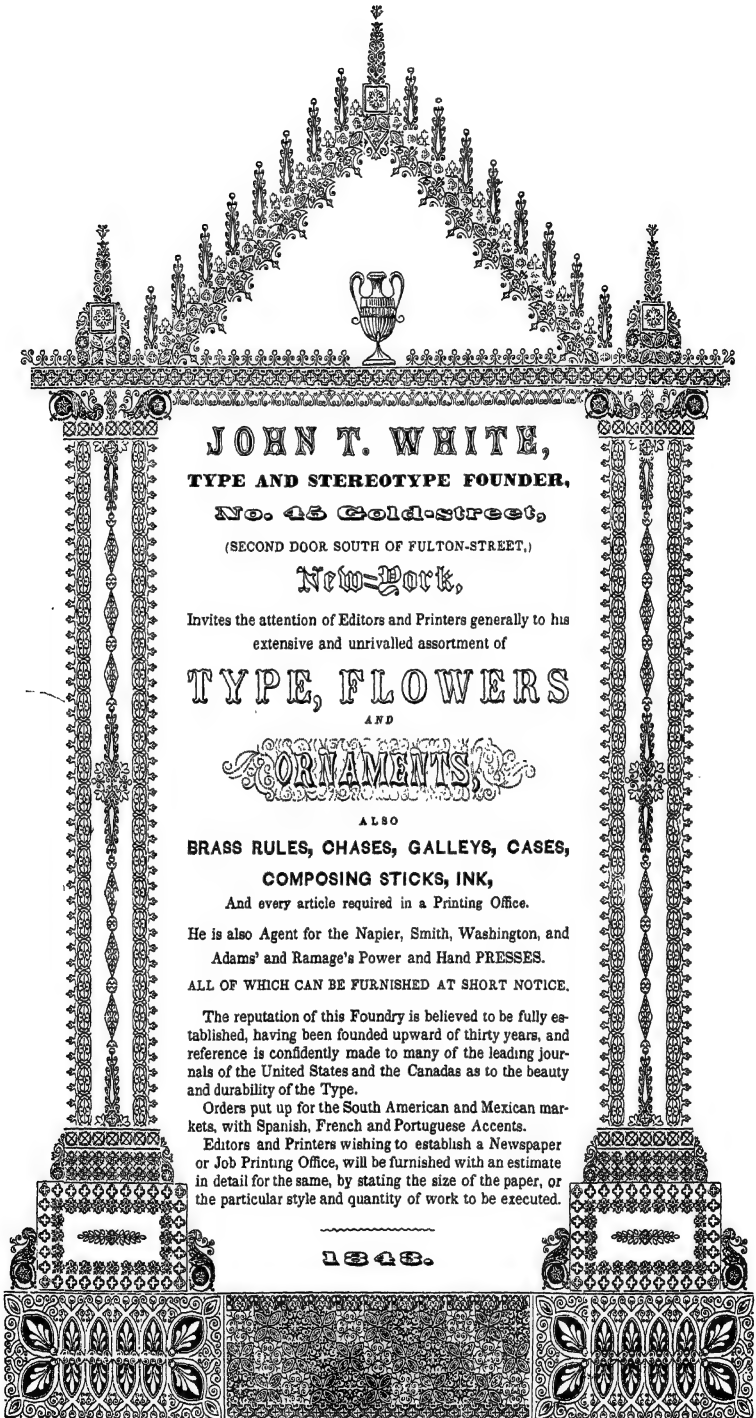
18

after date pay to my order

per value delivered in Goods



Handwriting too was, under English influence, stripped of all reminiscences of the broad-nib forms from about 1800 onwards. The regular alternation of fine and thick strokes disguises the unnatural writing technique. Many of the distinctive features of the letters are attenuated.



JOHN T. WHITE,
TYPE AND STEREOTYPE FOUNDER,
No. 45 Gold-street,
 (SECOND DOOR SOUTH OF FULTON-STREET.)
New-York,

Invites the attention of Editors and Printers generally to his
 extensive and unrivalled assortment of

TYPE, FLOWERS
 AND
ORNAMENTS,

ALSO
BRASS RULES, CHASES, GALLEYS, CASES,
COMPOSING STICKS, INK,
 And every article required in a Printing Office.

He is also Agent for the Napier, Smith, Washington, and
 Adams' and Ramage's Power and Hand PRESSES.

ALL OF WHICH CAN BE FURNISHED AT SHORT NOTICE.

The reputation of this Foundry is believed to be fully estab-
 lished, having been founded upward of thirty years, and
 reference is confidently made to many of the leading jour-
 nals of the United States and the Canadas as to the beauty
 and durability of the Type.

Orders put up for the South American and Mexican mar-
 kets, with Spanish, French and Portuguese Accents.

Editors and Printers wishing to establish a Newspaper
 or Job Printing Office, will be furnished with an estimate
 in detail for the same, by stating the size of the paper, or
 the particular style and quantity of work to be executed.

1846.

The invention and spreading of lithography contributed yet further to the corruption of lettering, encouraging misguided experiments. Excessively ornamented, badly formed type-faces were the result. The body-type of books became more and more angular and less and less legible and expressive.

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNO

PQRSTUVWXYZ

Suaviter in modo, fortiter in re

Modern face, about 1870

abcdefghijklmnopqrstuvwxyz

ABCDEFGHIJKLMNO

PQRSTUVWXYZ

Suaviter in modo, fortiter in re

The Roman type cut about 1540 by the great Frenchman, *Claude Garamond*, exemplifies the European art of type-cutting at the highest point of its development, while the *Modern face* of the 1870s, an intolerably unintelligent exaggeration of Giambattista Bodoni's ideas of form, shows it in the lowest stage of decadence.

In der That sind manche spiritistische Erscheinungen nach näherer Prüfung als Schwindel und Betrug entlarvt; andere erwiesen sich als krankhafte Einbildungen und Täuschungen; wieder andere bedürfen trotz der Ueberzeugungsenergie, womit wissenschaftliche Zeugen für sie eintreten, noch einer stärkeren Beglaubigung. Wenn irgendwo, so ist hier auch jetzt noch die kühnste Reserve, selbst Skepsis nicht bloss ein Gebot der Klugheit, sondern auch eine religiös-sittliche Pflicht.

Geradezu alles aber, was in den spiritistischen Sitzungen sich ereignet, als Hocuspocus vornehm zu belächeln, ist zwar das bequemste Mittel, an dem demüthigen Geständnisse vorbeizukommen, dass man mit seinem Latein zu Ende sei, ¹⁾ entspricht aber weder der Würde der Wissenschaft noch der Liebe zur Wahrheit, Männer, die als exakte Forscher und nüchterne Beobachter die grössten Resultate erzielt haben und ein seltenes Ansehen geniessen, die von Fachgenossen als Autoritäten in der Experimentirkunst und von ihren persönlichen Bekannten als höchst glaubwürdige und ehrenhafte Charaktere gerühmt werden, haben nach öfteren und genauen und wenigstens Anfangs mit möglichster Vorbereitung und Vorsicht angestellten Untersuchungen die Aechtheit der spiritistischen Erscheinungen verbürgt. Es darf nicht unerwähnt bleiben, dass diese Männer mit materialistischer Voreingenommenheit und lediglich in der Absicht den spiritistischen Sitzungen beiwohnten, um die „Medien“ als Betrüger oder als Selbstbetrogene blosszustellen, dass sie aber den Muth besaßen, für die Wirklichkeit der beobachteten Vorgänge öffentlich einzutreten trotz der sicheren Voraussicht, dass sie dadurch bei einem grossen Theile der gelehrten Welt ihren wissenschaftlichen Ruf verlieren würden.

Der Umstand, dass die berufensten und achtbarsten Forscher, welche dem Spiritismus auf sein Terrain folgten,

¹⁾ Ueber ein gespenstiges Phänomen zu Dibbesdorf äusserte *Lesing* gegen *Leisewitz*: „Bei dieser Geschichte geht uns beinahe unser ganzes Latein aus.“

It is hard for us to comprehend that books set up like the specimen here reproduced were once regarded as beautiful. The characterless, thin, not easily legible lettering—a kind which, unfortunately, is still used in learned publications—the excessive intervals between the words and the mediocrity of the whole page repel the reader.

How the fox cam to the court, & how he excused hym
to fore the kynge, capitulo xiiij.

AT the first whan it was knowen in
the court that Reynart the foxe &
Grymbaert his cosyn were comen
to the court, there was none so
poure nor so feble of kynne and
frendes but that he maade hym
redy for to complayne on Reynart
the foxe. Reynart loked as he had
not ben aferd, and helde hym better than he was, for
he went forth proudly with his neuu thurgh the
huest strete of the court, ryghte as he had ben the
kynge's sone, & as he had not trespassed to ony man
the value of an heer, & wente in the mydel of the place
standyng to fore Noble the kynge, and sayde, *¶* God
gyue yow grete honour and worship! Ther was neuer
kynge that euer had a trewer seruant than I haue ben
to your good grace & yet am. Neuertheles, derelorde,
I knowe wel that ther ben many in this courte that
wolde destroye me yf ye wold byleue them: but nay,
God thanke yow, hit is not fytyng to your crowne
to byleue thise false deceyuars and lyars lyghtly. To
God mote it be complayned how that thise fals lyars
and flaterers now adayes in the lordes courtes ben
moste herde and byleuyd, the shrewes and false de-
ceyuers ben borne vp for to doo to good men alle the
harne & scath they maye: our Lorde God shal ones
reward them their hyre. *¶* The kynge sayde: Pees,
Reynard, false thief and traytour, how wel can ye
brynge forth fayr talis, & alle shalle not helpe yow a

In the nineties of the last century the Englishman William Morris recognized the necessity of getting away from such kinds of type. Going back to the original forms of writing and to the technique of the incunabula, he inaugurated a new and important period in the art of book-production.

The Translators ZEAL to promote the common good, whether it be by devising any thing to the Reader ourselves, or revising that which hath been laboured by others, deserveth certainly much respect and esteem, but yet findeth but cold entertainment in the world. It is welcomed with suspicion instead of love, & with emulation instead of thanks: and if there be any hole left for cavil to enter, (and cavil, if it do not find a hole, will make one) it is sure to be misconstrued, and in danger to be condemned. This will easily be granted by as many as know story, or have any experience. For was there ever any thing projected, that savoured any way of newness or renewing, but the same endured many a storm of gainsaying or opposition? A man would think that civility, wholesome laws, learning & eloquence, synods, & Church-maintenance, (that we speak of no more things of this kind) should be as safe as a sanctuary, & out of shot, as they say, that no man would lift up the heel, no, nor dog move his tongue against the motioners of them. For by the first we are distinguished from brute beasts led with sensuality: by the second we are bridled and restrained from outrageous behaviour, and from doing of injuries, whether by fraud or by violence: by the third we are enabled to inform and reform others, by the light & feeling that we have attained unto ourselves: briefly, by the fourth, being brought together to a parle face to face, we sooner compose our differences than by writings, which are endless: and lastly, that the Church be sufficiently provided for is so agreeable to good reason and conscience, that those mothers are holden to be less cruel, that kill their children as soon as they are born, than those nursing fathers and mothers (wheresoever they be) that withdraw from them who hang upon their breasts (and upon whose breasts again themselves do hang to receive the spiritual and sincere milk of the word) livelihood & support fit for their estates. Thus it is apparent, that these things which we speak of are of most necessary use, and therefore that none, either without absurdity can speak against them, or without note of wickedness can spurn against them. ¶ Yet for all that, the learned know that certain worthy men have been brought to untimely death for none other fault, but for seeking to reduce their countrymen to good order & discipline: & that in some Commonweals it was made a capital crime, once to motion the making of a new law for the abrogating of an old, though the same were most pernicious: And that certain, which would be counted pillars of the State, and patterns of virtue and prudence, could not be brought for a long time to give way to good letters & refined speech: but bare themselves as averse from them, as from rocks or boxes of poison: And fourthly, that he was no babe, but a great clerk, that gave forth, (and in writing to remain to posterity) in passion peradventure, but yet he gave forth, That he had not seen any profit to come by any synod or meeting of the Clergy, but rather the contrary: And lastly, against Church-maintenance and allowance, in such sort as the ambassadors & messengers

There can be no mistaking the fact that this page from the Doves Press Bible, for all the most penetrating intelligence it reveals, is just a repetition of Jensen's letterpress of the 1470s. A careful study of the old typographical masterpieces paved the way for a revival of the best traditions.

of plain letters in common commercial use in this country, and they were designed by artists. And even in that age, six hundred years ago, when the responsibility of workmen was most widely distributed, & builders, in the absence of mechanical appliances, & designers, in the absence of unlimited and cheap drawing paper, were dependent on the good sense as much as the good will of the workman, there was a restraint, a science, a logic, which modern architecture does not rival & which even modern engineering does not surpass. The parish church of S. Pierre at Chartres, for example, is the purest engineering; it is as free from sentimentalism & frivolity as any iron-girder bridge of to-day, but it is the engineering of men raised above themselves by a spiritual enthusiasm, whereas the best modern engineering is but the work of men sub-human in their irresponsibility and moved by no enthusiasm but that of material achievement.

¶ Nevertheless, as we have said, the restraint imposed on modern manufacture and building by modern industrial conditions imposes itself also on the work of those who stand outside industrialism. Artists no less than engineers are forced to question the very roots of workmanship, to

Once it was recognized that the experiments of Bodoni and his followers were misguided, the modern age devised cautious variations on the fundamental classical forms of the past. Some of the best of these adaptations, like the *Joanna type* of the Englishman *Eric Gill* here reproduced, therefore disclose their contemporary quality only to the devoted connoisseur of the subject.

instituiamus, deos suos praeferunt. quorum decem librorum quinque superiores aduersus eos conscripti sunt, qui propter bona uitae huius deos colendos putant; quinque autem posteriores aduersus eos, qui cultum deorum propter uitam, quae post mortem futura est, seruandum existimant. deinceps itaque, ut in primo libro polliciti sumus, de duarum ciuitatum, quas in hoc saeculo perplexas diximus inuicemque permixtas, exortu et procursu et debitis finibus quod dicendum arbitror, quantum diuinitus adiuuabor expediā.

Liber undecimus.

CIVITATEM DEI DICIMVS, CVIVS EA SCRIPTVRA TESTIS est, quae non fortuitis motibus animorum, sed plane summae dispositione providentiae super omnes omnium gentium litteras omnia sibi genera ingeniorum humanorum diuina excellens auctoritate subiecit. ibi quippe scriptum est: 'gloriosa dicta sunt de te, ciuitas Dei'; et in alio psalmo legitur: 'magnus Dominus et laudabilis nimis in ciuitate Dei nostri, in monte sancto eius, dilatans exultationes uniuersae terrae'; et paulo post in eodem psalmo: 'sicut audiuiimus, ita et uidimus, in ciuitate domini uirtutum, in ciuitate Dei nostri; Deus fundauit eam in aeternum'; item in alio: 'fluminis impetus laetificat ciuitatem Dei, sanctificauit tabernaculum suum Altissimus; Deus in medio eius non commouebitur'. his atque huiusmodi testimoniis, quae omnia commemorare nimis longum est, didicimus esse quandam ciuitatem Dei, cuius ciues esse concupiuimus illo amore, quem nobis illius conditor inspirauit. huic conditori sanctae ciuitatis ciues terrena ciuitatis deos suos praeferunt ignorantes eum esse Deum deorum, non deorum falsorum, hoc est impiorum et superbiorum, qui eius incommutabili omnibusque communi luce priuati et ob hoc ad quandam egenam potestatem redacti suas quodam modo priuatas potentias consecrantur honoresque diuinos a deceptis subditis quaerunt; sed deorum piorum atque sanctorum, qui potius se ipsos uni subdere quam multos sibi, potiusque Deum colere quam pro Deo coli delectantur. sed huius sanctae ciuitatis inimicis decem superioribus libris, quantum potuimus, domino et rege nostro adiuuante respondimus. nunc uero quid a me iam expectetur agnoscens meique non inmemor debiti de duarum ciuitatum, terrena scilicet et caelestis, quas in hoc interim saeculo perplexas quodam modo diximus inuicemque permixtas, exortu et excursu et debitis finibus, quantum ualuerō, disputare eius ipsius domini et regis nostri ubique opitulatione fretus adgrediar, primumque dicam, quem ad modum exordia duarum istarum ciuitatum in angelorum diuersitate praecesserint. **Caput II.** Magnum est et admodum ratum uniuersam creaturam corpoream et incorpoream consideratam compertamque mutabilem intentione mentis excedere atque ad incommutabilem Dei substantiam peruenire et illic discere ex ipso, quod cunctam naturam, quae non est quod ipse, non fecit nisi ipse.

If we regard the printed book as the crowning achievement of the art of employing written characters, the works of the Bremer Presse perhaps deserve the highest praise, since they combine independence in the designing of types and nobility of form in the letters with a technique of lay-out which, for subtlety and harmony, excels even that of the early presses.

MEPHISTOPHELES (*für sich*). Nun mach ich mich beizeiten fort!

Die hielte wohl den Teufel selbst beim Wort.

(*zu Gretchen.*) Wie steht es denn mit Ihrem Herzen?

MARGARETE. Was meint der Herr damit?

MEPHISTOPHELES (*für sich*). Du guts, unschuldigs Kind!

(*Laut.*) Lebt wohl, ihr Frau!

MARGARETE. Lebt wohl!

MARTHE. O sagt mir doch geschwind!

Ich möchte gern ein Zeugnis haben,

Wo, wie und wann mein Schatz gestorben und begraben.

Ich bin von je der Ordnung Freund gewesen,

Möcht ihn auch tot im Wochenblättchen lesen.

MEPHISTOPHELES. Ja, gute Frau, durch zweier Zeugen Mund

Wird allerwegs die Wahrheit kund;

Habe noch gar einen feinen Gesellen,

Den will ich Euch vor den Richter stellen.

Ich bring ihn her.

MARTHE. O tut das ja!

MEPHISTOPHELES. Und hier die Jungfrau ist auch da? –

Ein braver Knab! ist viel gereist,

Fräuleins alle Höflichkeit erweist.

MARGARETE. Müßte vor dem Herren schamrot werden.

MEPHISTOPHELES. Vor keinem Könige der Erden.

MARTHE. Da hinterm Haus in meinem Garten

Wollen wir der Herrn heut abend warten.

STRASSE

Faust. Mephistopheles.

FAUST. Wie ist's? Will's fördern? Will's bald gehn?

MEPHISTOPHELES. Ah bravo! Find ich Euch in Feuer?

In kurzer Zeit ist Gretchen Euer.

Heut abend sollt Ihr sie bei Nachbars Marthen sehn:

Das ist ein Weib wie auserlesen

Zum Kuppler und Zigeunerwesen!

FAUST. So recht!

But typographical perfection is not the exclusive privilege of expensive works from private presses. It is the true task of the present time to achieve the highest possible level of perfection in the production of ordinary books for everyday use, by employing the beautiful old and new types bestowed upon us by the reform movements of the last fifty years.

EXPLORING

On the fifteenth of July I began a careful survey of the island. I went up the creek first. After about two miles the tide did not flow any higher, and the stream was no more than a little brook. On its banks I found many pleasant meadows, covered with grass.

The next day I went up the same way again; and after going somewhat farther I found that the brook ceased, and the country became more woody than before. In this part I found melons on the ground and grape-vines spreading over the trees, with the clusters of grapes just now in their prime, very ripe and rich. I also saw an abundance of cocoa trees, as well as orange and lemon and citron trees.

['Robinson Crusoe']

Barking Writing Card No. 10. Dryad Press, Leicester

There is, moreover, ground also for the best hopes that a vital reform may be brought about in our everyday handwriting, thanks largely to the exertions of the Englishman *Alfred J. Fairbank*, who has developed out of Humanistic Cursive one of the most noble styles of the present day and has already taught many people to write a legible and æsthetically flawless hand.

Other publications by

JAN TSCHICHOLD

Typographische Gestaltung. Benno Schwabe & Co., Basel.

Schriftkunde, Schreibübungen und Skizzieren. Benno

Schwabe & Co., Basel.

Gute Schriftformen. Eine Beispielsammlung für Zeichner, Maler und Bildhauer. Lehrmittelverlag des Erziehungs-Departements des Kantons Basel-Stadt.

Schatzkammer der Schreibkunst. Meisterwerke der Kalligraphie aus vierhundert Jahren auf zweihundert Tafeln. Verlag Birkhäuser, Basel.

Der frühe chinesische Farbendruck. Mit sechzehn farbigen Faksimiles. Holbein-Verlag, Basel.

Lehrbuch der Malerei des Senfkorngartens. Mit sechzehn farbigen Faksimiles. Holbein-Verlag, Basel.

Neue chinesische Farbendrucke aus der Zehnambushalle. Mit sechzehn farbigen Faksimiles. Holbein-Verlag, Basel.

Chinesische Farbendrucke der Gegenwart. Mit sechzehn farbigen Faksimiles. Holbein-Verlag, Basel.

Chinesisches Gedichtpapier vom Meister der Zehnambushalle. Mit vierundzwanzig farbigen Faksimiles. Holbein-Verlag, Basel.



Typography, binding and loose jacket
designed by Jan Tschichold, Basel
Set in Monotype Baskerville and printed by
Benteli AG, Bern-Bümpliz
Blocks made by Schwitter AG, Basel
Art paper made by the Papierfabrik Biberist
1946

